CITY OF MANCHESTER
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SIXTY-FIFTH ANNUAL REPORT

OF THE

RECEIPTS AND EXPENDITURES

OF THE

137964

CITY OF MANCHESTER

NEW HAMPSHIRE

FOR THE FISCAL YEAR ENDING

DECEMBER 31, 1910

TOGETHER WITH

OTHER ANNUAL REPORTS AND PAPERS RELATING TO THE AFFAIRS OF THE CITY

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MANCHESTER, N. H.
PRINTED BY THE JOHN B. CLARKE CO.
1911

MANCHESTER CITY GOVERNMENT, 1910.

Mayor.

EUGENE E. REED.....Office, City Hall

Chosen at biennial election in November, 1908. Salary, $3,000 per annum, payable monthly. (Act of June, 1848, section 1. Chapter 223, Laws of 1883. Chapter 203, Laws of 1907. Public Statutes, chapter 47.)

Mayor's Clerk and Stenographer.—Susie E. Wason, 319 Hanover St.

Aldermen.

Ward 1.	Ernest W. Wiesner, 19 Market street.
Ward 2.	Joseph H. Geisel,* 225 Ash street.
	Albert L. Clough,† 181 Walnut street.
Ward 3.	Fred O. Parnell, 327 Orange street.
Ward 4.	Maurice L. Hoitt, 394 Hanover street.
Ward 5.	Richard J. Barry, 232 Lake avenue.
Ward 6.	Andrew B. Bunton, 311 Lake avenue.
Ward 7.	Herbert A. Salls, 12 West Merrimack street.
Ward 8.	James E. MacDonald, 154 Mast street.
Ward 9.	Arthur J. Provost, 516 Notre Dame avenue.
Ward 10.	Peter J. Charron, 615 Harvard street.

Salary $3 per meeting, amount not to exceed $200 annually.

Board of Common Council, 1910.

James B. Fitch, President, 735 Chestnut street.

Ward 1.

Charles W. Richards, 36 Stark street.
Patrick B. Maloney, 31 Mechanic street.
William A. Burlingame, 30 Stark street.

Ward 2.

James B. Fitch, 735 Chestnut street.
Alfred K. Hobbs, 29 Appleton street.
Philip F. Grenier, 948 Union street.

* Resigned March 1, 1910.
† Elected May 3, 1910.

WARD 3.

Amedee G. Ledoux, 22 Jane street.
Gustave A. Bergquist, 13 Jane street.
Willie F. Bean, 333 Bridge street.

WARD 4.

Hertel Pariseau, 318 Hanover street.
Charles F. Hill, 388 Laurel street.
George H. Hammond, 340 Manchester street.

WARD 5.

Mederic P. Pepin, 206 Grove street.
John J. Berry, 109 Spruce street.
Patrick J. Horan, 282 Summer street.

WARD 6.

Henry H. McKelvie, 314 Central street.
Charles G. Hastings, 581 Lake avenue.
George M. Goodwin, 453 Central street.

WARD 7.

Frank R. Vose, 35 West Merrimack street.
Ralph S. Nelson, 32 Market street.
Robert Leggett, 8 West Merrimack street.

WARD 8.

George Q. Caldwell, 684 Mast street.
Gustav F. Wenzel, 154 Second street.
Frederick Lange, 23 Boynton street.

WARD 9.

John E. Hering, 589 Main street.
Arthur T. Beaumier, 30 Putnam street.
Alfred E. Demers, 150 Amory street.

WARD 10.

Thomas J. McDonough, 37 Westland avenue.
John J. Connor, 47 Elm street.
Christopher G. Marr, 455 Shasta street.

No salary.

Clerk of the Common Council.

Harry W. Spaulding, 384 East High street.

Salary, $100. (General Laws, chapter 46, sections 7-9. City Laws and Ordinances, page 33, chapter 6, section 11.)

City Clerk.

Edward C. Smith.....Office, City Hall

Salary, $1,350 and fees. (Laws, 1899, chapter 6.) Chosen in January, biennially, by board of aldermen. Residence, 900 Union street. Also clerk of all committees of the board of aldermen; salary, $200.

City Clerk's Clerks.

Éva G. Jones.....City Clerk's Office, City Hall
Malvina B. Levesque.....City Clerk's Office, City Hall

City Auditor.

James E. Dodge.....Office, City Hall

Salary, $1,350. Appointed by mayor and approved by board of aldermen in January, biennially. (Laws of 1889, chapter 287. City Ordinances, pages 44, 71, 83-88, 173.) Residence, River road north.

Auditor's Clerk.

Lizzie M. Cogswell.....Auditor's Office, City Hall

City Treasurer.

Fred L. Allen.....Office, City Hall

Salary, $1,650. Elected by board of aldermen in January, biennially. (Act of January, 1897, chapter 198.) Residence, 33 Walnut street.

Treasurer's Clerk.

Mabel L. How.....Treasurer's Office, City Hall

Collector of Taxes.

George E. Morrill.....Office, City Hall

Salary, $1,500, and fees. Elected by mayor and aldermen before May 1, biennially. (Act of July, 1851. Act of June, 1859, section 6. Act of 1897, chapter 198. Public Statutes, chapter 43. City Laws and Ordinances, chapter 33.) Residence, 740 Chestnut street.

Deputy Collectors of Taxes.

Edwin C. Paul.....Collector's Office, City Hall
Abraham S. Rich.....Collector's Office, City Hall
Denis Vigneault.....Collector's Office, City Hall

Salary, $800. Appointed by tax collector with approval of mayor and aldermen. (City Laws and Ordinances, chapter 33, section 3.)

City Solicitor.

John T. Nixon.....Office, Patten's Block

Salary, $800. Elected by board of aldermen in January, biennially. (Act of 1897, chapter 198.) Residence, 385 Lake avenue.

City Messenger.

James R. Ferson.....Office, City Hall

Salary, $1,000. Elected by board of aldermen in January, biennially. (City Laws and Ordinances, chapters 4, 6.)

Board of Aldermen.

STANDING COMMITTEES.

On Accounts.—Wiesner, Charron, Bunton.
On Bills on Second Reading.—Barry, Salls, Provost.
On City Farm.—Hoitt, MacDonald, Bunton.
On Claims.—Charron, Geisel, Clough, Provost.
On Cemeteries.—Bunton, Parnell, MacDonald, Hoitt, Wiesner.
On Enrollment.—Wiesner, Salls, Geisel, Clough.
On Finance.—Mayor, Geisel, Clough, MacDonald.
On Fire Department.—Barry, Parnell, Hoitt.
On Lands and Buildings.—MacDonald, Bunton, Charron.

On Licenses.—Salls, Provost, Hoitt.
On Lighting Streets.—Geisel, Clough, Barry, Parnell.
On Military Affairs.—Bunton, Provost, Salls.
On Public Health.—Geisel, Clough, MacDonald, Wiesner.
On Setting Trees.—Charron, Parnell, Hoitt.
On Sewers and Drains.—Parnell, Barry, Charron.
On Streets.—Provost, Wiesner, Salls.

Member first named is chairman of respective committee.
Clerk of Committees (except Committees on Streets, Sewers, and Cemeteries), Edward C. Smith. Salary, $200 annually.
Clerk of Committees on Streets and Sewers, Samuel J. Lord.

Board of Common Council.

STANDING COMMITTEES.

No. 1. On Central Department, Auditor's, Engineer's, and Department of Taxes.—Messrs. Connor, Hobbs, Bean, Burlingame, and Demers.

No. 2. On Street and Sewer Department.—Messrs. Leggett, Maloney, Grenier, Berry, and Hering.

No. 3. On School Department.—Messrs. Hobbs, Burlingame, Hastings, McDonough, and Fitch.

No. 4. On Fire Department and Hydrant Service.—Messrs. Wenzel, Hammond, McKelvie, Vose, and Lange.

No. 5. On Public Buildings and Public Places.—Messrs. Beaumier, Hill, Pariseau, Horan, and Nelson.

No. 6. On Health, Police Department, Public Library, Patriotic, Charitable, and Philanthropic Department.—Messrs. Pariseau, Nelson, Bergquist, Goodwin, and Leggett.

No. 7. On Lighting Streets.—Messrs. Richards, Ledoux, Pepin, Caldwell, and Marr.

(Member first named is chairman of respective committee.)

Committee on Finance.

President of the Common Council, James B. Fitch, chairman, *ex officio*, and the chairman of the different committees named above: Messrs. Connor, Leggett, Hobbs, Wenzel, Beaumier, Pariseau, and Richards.

Committee on Enrollment.

Mr. McKelvie, chairman, Messrs. Bean and McDonough.

City Physician.

John C. O'Connor, M. D.....Residence, 68 Walnut St.
Office, 12 Cilley Building

Salary, $900. Elected by board of aldermen in January, biennially. (Act of 1897, chapter 198. City Ordinances, chapter 9, sections 29, 30.)

Chief Engineer.

Samuel J. Lord.....Office, City Hall

Salary, $2,200. Chosen by board of aldermen in April, term six years. (Chapter 250, Laws of 1907.)

ENGINEER'S ASSISTANTS.

Harrie M. Young.
George M. Wales.
Harold C. McAllister.
Henry A. Worthen.
Alfred T. Dodge.
Lawrence O'Connor.
Glen B. Eastman.

STENOGRAPHER.

John J. McAllister, Jr.

Water Commissioners.

(Chapter 70, Laws of 1871. City Ordinances, chapter 36, and Laws of 1891, chapter 26, page 319, act approved March 31, 1891. Chapter 183, Laws of 1893.) One commissioner elected annually by mayor and aldermen, in the month of September, for a term of six years. Office at court house, corner Franklin and West Merrimack streets. Telephone at office and at pumping station.

The Mayor, *ex officio*.
Charles H. Manning, chairman. Term expires January, 1913.
William Corey. Term expires January, 1911.
Edgar J. Knowlton. Term expires January, 1916.
Charles M. Floyd. Term expires January, 1914.
Perry H. Dow. Term expires January, 1915.
Robert E. McKean. Term expires January, 1912.

Superintendent of Water-Works.

Charles K. Walker.....Office, Court House, Franklin street

Salary, $2,400. Chosen by water commissioners annually. Residence, 68 South Main street, West Manchester.

Clerk of Water-Works.

Arthur E. Stearns.....Office, Court House, Franklin street

Salary, $1,800. Chosen by water commissioners annually.

Engineer at Old Pumping Station.

Jerome J. Lovering. Salary, $700, rent, fuel and use of land.

Engineer at New Pumping Station.

C. A. Whitney, $2.50 per day, rent, and fuel.

Justice of the Police Court.

Isaac L. Heath,* court room at police station, corner Manchester and Chestnut streets.

Harry E. Loveren,† court room at police station, corner Manchester and Chestnut streets.

Salary, $1,500. Appointed by the governor with the advice of the council. (General Laws, chapter 215; chapter 163, sections 17, 18, 19, of the Laws of 1878, as amended by chapter 236, Laws of 1881. Public Statutes, chapter 211.)

Associate Justice of the Police Court.

Harry E. Loveren. Salary, $300 per annum. Served to October 1, 1910.

Frank C. Livingston. Salary, $300 per annum. Appointed October 1, 1910.

Appointed by the governor with the advice of the council. (Chapter 215, General Laws, section 2-14. Public Statutes, chapter 211. Chapter 296, Laws of 1893.)

Clerk of the Police Court.

John C. Bickford. Salary, $600.

Appointed by the justice of the police court. (Chapter 163, sections 17-19, General Laws, amended by chapter 236, Laws of 1881. Public Statutes, chapter 211.) Residence, 15 Ash street.

* Term expired by age, August 23, 1910.

† Appointed to vacancy, August 23, 1910.

Police.

The members of the police are appointed by the police commissioners, and hold their commissions during good behavior. They are, by virtue of their appointment, constables and conservators of the peace, and their jurisdiction extends throughout the city. (Chapter 253, section 5, General Laws; chapter 303, Laws of 1887; chapter 202, Laws of 1893.) Police station at the corner of Chestnut and Manchester streets.

Police Commissioners.

See chapter 202, Laws of 1893.

Thomas R. Varick, clerk. Term expires January, 1916.
Peter A. Farrell. Term expires January, 1914.
Edward B. Woodbury, chairman. Term expires January, 1912.

Chief of Police

Michael J. Healy.....Office at Police Station

Salary, $3,000. Residence, 304 Central street. Telephone at house and office.

Deputy Chief of Police.

John F. Cassidy.....Office at Police Station

Salary, $1,800. Residence, 569 Hanover street.

Captain of the Watch.

Thomas E. Steele. Salary, $3.50 per day. Residence, 253 Walnut street.

Sergeants.

Peter Callaghan. Salary, $3.25 per day. Residence, 1017 Hayward street.

John T. O'Dowd. Salary, $3.25 per day. Residence, 548 Maple street.

John J. Lynch. Salary, $3.25 per day. Residence, 1436 Elm street.

Inspector.

Clifton B. Hildreth. Salary, $3.25 per day. Residence, 386 Walnut street.

Electrician.

Edward H. McQuaid. Salary, $3.00 per day. Residence, 412 Cedar street.

Clerk and Stenographer.

John F. Griffin. Salary, $2.75 per day. Residence, 868 Union street.

Patrolmen.

Adler, Leonard J.
Badger, John C.
Bean, Randall W.
Benoit, Aurel N.
Berwin, J. Henry
Brown, John G.
Brown, Thomas F.
Conlon, Arthur J.
Connor, John J.
Coolidge, Edgar L.
Corbett, Michael H.
Dunn, James F.
Dustin, Frank J.
Dwyer, R. Emmet
Foye, William F.
Graf, Oscar J.
Hackett, James
Hampston, James J.
Healy, John D.
Jennings, Peter J.
Kenney, George H.
Lovejoy, George A.
Marden, Frank W.
McGrath, Matthew F.
Moher, William M.
Moore, Frank P.
Moriarty, Mortimer J
Moran, John F.
O'Malley, John F.
Pennett, John E.
Pitman, J. Foster
Potts, John
Riorden, George P.
Robitaille, Albert C.
Rourke, Martin W.
Russell, Albert
Scannell, Frederick J.
Shea, Jeffrey
Sheehy, Patrick
Smith, John F.
Smith, Roswell J.
Somers, Elmer E.
Stewart, William J.
Sullivan, Florrence
Sweeney, James
Tibbetts, Frank E.
Welch, John T.
Whalen, Michael J.
Wood, Charles L.

Salary, $2.75 per day.

Janitor of Station.

Frank P. Wiggin. Salary, $2.00 per day. Residence, 293 Spruce street.

Matron.

Miss A. B. Brown. Salary, $425 per annum. Residence, 228 Merrimack street.

School Committee.

Chosen at the biennial election in November, 1906; mayor and president of the common council members, *ex officio*. The board of school committee choose the clerk of the board, the superintendent of public instruction, the truant officer, and the teachers in the public schools, and determine their salaries. They have charge of the repairs of schoolhouses, to a limited extent, and the purchase of free textbooks and other supplies, and are limited by the appropriations of the city councils. The salary of the committee is $10 each.

WARD 1.

Sumner W. Patten. Joseph W. Abbott.

WARD 2.

George M. Davis. Allan M. Wilson.

WARD 3.

Thomas Chalmers. Frank L. Downs.

WARD 4.

Edward P. Morrill. William A. Phinney.

WARD 5.

Joseph P. Devine. John F. Lee

WARD 6.

G. Waldo Browne. Harry L. Davis.

WARD 7.

Edward B. Woodbury. Albert W. Thompson.

WARD 8.

Walter B. Mitchell. Frank A. Cadwell.

WARD 9.

Antoine M. Menard. Aime Martel.

WARD 10.

Francis X. Lyons. John H. Rice.

Eugene E. Reed, *ex officio*, chairman.
James B. Fitch, *ex officio*.
Edward B. Woodbury, vice-chairman.
Harry L. Davis, clerk.

Superintendent of Public Instruction.

Charles W. Bickford.....Office, City Hall

Salary, $2,300.

Superintendent's Clerk.

Fannie L. Sanborn.....Residence, 277 Laurel street.

Salary, $600.

Truant Officer.

Curtis W. Davis.....Office, City Hall

Salary, $1,200 and allowance for horsehire. Residence, 849 Chestnut street.

Assessors.

(Chapter 314, Laws of 1903.) Establishing a board of three assessors. Board elected by the common council in December, 1904, one member for two years, one member for four years, and one member for six years, from January 1, 1905. Thereafter biennially in the month of January, beginning in 1907, the common council shall elect one member for six years. Salary, $1,500.

George A. Clark.* Term expires January, 1911.
Joseph H. Geisel.† Term expires January, 1911.
Joseph O. Tremblay. Term expires January, 1915.
William P. Farmer. Term expires January, 1913.

George A. Clark
Joseph O. Tremblay } chairman.....Office, City Hall

* Resigned March 1, 1910.
† Elected March 1, 1910.

CLERKS OF ASSESSORS.

Arthur W. Rowell.....Office, City Hall
Harry J. Briggs.....Office, City Hall

Inspectors of Checklists.

One in each ward chosen at the biennial election in November. Compensation, $2.25 per day for each day actually employed. Office, City Hall. (Laws of 1878, chapter 163, sections 5, 6, 7, 9, 10, 11, 12, 13, 14, 16, and City Ordinances, chapter 14, section 9.)

Ward 1. Karl A. Klaubert.
Ward 2. Charles B. Tucker.
Ward 3. Arthur W. Rowell.
Ward 4. Frank P. Collins.
Ward 5. Patrick V. Magan.
Ward 6. George A. Taylor.
Ward 7. Lyman H. Burbank.
Ward 8. Charles C. Tinkham.
Ward 9. Albert Beaudet.
Ward 10. Lawrence A. O'Connor.

Charles C. Tinkham, chairman.
Arthur W. Rowell, clerk.

Overseers of the Poor.

One in each ward, chosen at biennial election in November. The mayor is a member *ex officio*. Compensation, $50 per annum, each; clerk of the board, $125 per annum, determined by City Ordinances, chapter 14; section 18, as amended by Ordinances of August 5, 1890, and July 2, 1901. Meet third Wednesday of each month in City Hall building.

Ward 1. Michael Herbert, 2 Boyden street.
Ward 2. Daniel G. Andrews, 777 Union street.
Ward 3. Joseph L. Boudreau, 131 Orange street.
Ward 4. Charles B. Clarkson, 413 Manchester street.
Ward 5. Thomas F. Sheehan, 364 Beech street.
Ward 6. John L. Wentworth, 345 Belmont street.
Ward 7. William Marshall, 80 Amoskeag corporation.
Ward 8. Robert Werner, Jr., 140 Third street.
Ward 9. Adelard Lambert, 209 Putnam street.
Ward 10. Edward F. Tate, 77 South Elm street.

Eugene E. Reed, *ex officio*. Office, City Hall.
Thomas H. Stewart, clerk.

Board of Health.

(City Ordinances, chapter 14, section 10, as amended. Laws of 1885, chapter 165; Laws of 1887, chapter 227; Public Statutes, chapters 108, 109, 110.) One member appointed by the mayor in January of each year, to hold office for a term of three years. Salary, $200 each per annum. Office, Court House, West Merrimack, corner of Franklin street.

William K. Robbins. Term expires first Monday in February, 1913.

William J. Starr. Term expires first Monday in February, 1911.

Gustave Lafontaine. Term expires first Monday in February, 1912.

William B. Blake, sanitary inspector. Office, Court House, Merrimack, corner of Franklin street.

John F. Looney, sanitary inspector. Office, Court House, Merrimack, corner of Franklin street.

Joseph X. Duval, sanitary inspector. Office, Court House, Merrimack, corner of Franklin street.

Carl O. Seaman, plumbing and milk inspector. Office, Court House, Merrimack, corner Franklin street.

M. Alma Fracker, office clerk.

William J. Starr, president.

William K. Robbins, clerk.

Fire Department.

The chief engineer and four assistant engineers are chosen biennially in the month of January, by a majority of the city councils in convention. The salary of the chief engineer is $2,000 per annum; the assistant engineers, each $275 per annum. They exercise the powers and perform the duties of firewards. The said engineers constitute the board of engineers, and elect a clerk whose compensation is $75 a year. The annual compensation of the members of the several hook-and-ladder, hose, steam fire engine and chemical companies is as follows: Permanent captains, each $1,000 per annum; permanent engineers, each $975; other permanent men of companies, $900; lieutenants, each $185; clerks, each $185; call engineers, each $200; all other members, each $175; payable in semiannual payments, on the first of January and July. (Laws of 1870, chapter 99. General Laws, chapter 106. City Ordinances, chapters 6 and 11.) Members and officers of each company are appointed by the board of engineers.

Chief Engineer.

Thomas W. Lane.....Office, Central Station, Vine street

Residence, 1937 Elm street. Telephone at house and office.

ASSISTANT ENGINEERS.

Arthur Provost.
Thomas F. Fitzsimmons.
Edwin W. Merrill.
George H. Hammond.

Edwin W. Merrill, Clerk.

Trustees of City Library.

(Law of 1854, chapter 1588. See contract with Manchester Atheneum, printed on pages 107 and 108 of City Report for fiscal year ending January 31, 1855.) Board of seven trustees, one of whom is elected by aldermen and board of trustees in joint convention in September, annually. Term of service, seven years, no salary. Two additional trustees, mayor, and president of common council, *ex officio.*

Frank P. Carpenter, Elm, corner West North street. Term expires October 1, 1916.

Herman F. Straw, 607 Chestnut street. Term expires October 1, 1914.

Walter M. Parker, 1883 Elm street, corner of Webster. Term expires October 1, 1913.

Roger G. Sullivan, 168 Walnut street. Term expires October 1, 1912.

Henry W. Boutwell, 587 Union street. Term expires October 1, 1911.

William P. Farmer, Candia Road. Term expires October 1, 1917.

Edwin F. Jones, 15 High street. Term expires October 1, 1915.

Eugene E. Reed, *ex officio.*

James B. Fitch, *ex officio.*

Edwin F. Jones, clerk.

City Library.

Franklin street, corner of Dean avenue. Open from 10 A. M. to 8 P. M. Saturdays to 9 P. M. Sundays, 11 A. M. to 5 P. M.

Librarian.

F. Mabel Winchell, 593 Union street. Salary, $1,000 annually. Elected by the trustees of library.

Board of Street and Park Commissioners.

The board of aldermen, biennially, elect one member of said board for a term of six years. Not more than two members can be of the same political party. Said board, consisting of three members, has

full charge, management and control of the building, constructing, repairing, and maintaining of all the streets, highways, lanes, sidewalks, bridges, public sewers and drains, and public parks and commons. (See Laws of 1893, chapter 264.) Office, City Hall building. Open from 8 to 12 A. M., 2 to 5 P. M. Regular meeting of the board at 2 o'clock P. M. each day. Salary of each member, except chief engineer, $600 per year, payable quarterly, and each is allowed $150 annually for horsehire.

William McElroy, chairman. Term expires April, 1912.
Byron Worthen. Term expires April, 1914.
Samuel J. Lord, chief engineer, clerk. Term expires April, 1913.

City Weigher.

Gilbert Lyons. Office, city scales, Franklin street.

Elected biennially in board of aldermen. Salary, $500 per annum; all fees for weighing returned monthly to city treasurer with sworn statement.

Sealer of Weights and Measures.

J. N. DesGroseilliers, 78 Woodland avenue.

Elected biennially in January by board of aldermen. Paid by fees. (Section 25, chapter 43, and chapter 125, Public Statutes.)

Trustees of Cemeteries.

(City Ordinances, chapter 39, sections 1, 2, 3, 4.) Two trustees elected by board of aldermen in January, annually, for the term of four years. Subtrustees appointed by board of trustees.

J. Adam Graf, 10 Middle street. Term expires 1913.
William H. Maxwell, 476 Front street. Term expires 1911.
Charles P. Porter, 585 Belmont street. Term expires 1913.
Charles F. Read, 48 Water street. Term expires 1913.
Frank C. Livingston, 321 Orange street. Term expires 1913.
Charles E. Stearns, 329 Front street. Term expires 1911.
Edwin F. Jones, 15 High street. Term expires 1912.
Harrie M. Young, 33 Dutton street. Term expires 1912.
Fred L. Allen, clerk and treasurer, 33 Walnut street.

Subtrustees of Cemeteries.

VALLEY CEMETERY.

Alderman Fred O. Parnell, chairman; Alderman Hoitt, Messrs. Frank C. Livingston, Charles F. Read, and Charles P. Porter.

PINE GROVE CEMETERY.

Alderman Andrew B. Bunton, chairman; Alderman MacDonald, Messrs. J. Adam Graf, Harrie M. Young, and Edwin F. Jones.

AMOSKEAG CEMETERY.

Alderman Ernest W. Wiesner, chairman; Messrs. Charles E. Stearns and William H. Maxwell.

SUPERINTENDENT OF PINE GROVE CEMETERY.

John Erskine. Office and residence at the cemetery.

SUPERINTENDENT OF VALLEY CEMETERY.

Eugene C. Smith. Office at the cemetery; residence, 272 Mast street.

SUPERINTENDENT OF AMOSKEAG CEMETERY.

George C. Harwood. Residence, Amoskeag.

TRUSTEES OF CEMETERY FUND.

Norwin S. Bean. Term expires January, 1910.
Charles H. Anderson. Term expires January, 1915.
Eugene E. Reed, *ex officio.*
Fred L. Allen, treasurer.

Inspector of Buildings.

S. Andrew Sprague.....Office, City Hall

Residence, 525 Lake avenue. Appointed by board of mayor and aldermen, biennially, in February. Salary, $1,350 per annum. (City Ordinances, chapter 15. Laws of 1883, chapter 94.)

Inspector's Clerk.

Park J. Stewart.....Inspector's Office, City Hall

Inspectors of Oil.

Harvey B. Sawyer, 149 Bowman street.
Martin Moll, 45 Barr street.

(Public Statutes, chapter 129, sections 25-34. City Ordinances, chapter 25.) Paid by fees, ¼ of one percent per gallon.

Board of Examiners of Plumbers.

William K. Robbins, president. Term expires November 1, 1915.
Samuel J. Lord, clerk, *ex officio.*
Christian L. Wolf. Term expires November 1, 1911.

Appointed by the mayor.

Sinking Fund Commissioners.

William McElroy, chairman.
Fred L. Allen, clerk and treasurer.
Charles H. Manning.

Moderators.

Elected biennially. (General Laws, chapter 31, sections 3, 9; chapter 36, section 9; chapter 44, section 7. City Ordinances, page 18. See Public Statutes relating to towns and cities.)

Salary, $15.00, payable at expiration of term.

Ward 1. Daniel McIntire.
Ward 2. George F. Millar.
Ward 3. George E. Prime.
Ward 4. Henry B. Fairbanks.
Ward 5. Martin E. Sullivan.
Ward 6. Harry L. Davis.
Ward 7. Herbert E. Richardson.
Ward 8. Robert E. McKean.
Ward 9. John Montplaisir.
Ward 10. John A. Kane.

Ward Clerks.

Elected biennially. (General Laws, chapter 44, sections 10, 12. City Ordinances, page 18. Public Statutes relating to towns and cities.)

Salary, $20.00, payable at expiration of term.

Ward 1. Wilfred B. Lemay.
Ward 2. Arthur L. Franks.
Ward 3. George V. Roy.
Ward 4. Henry A. Worthen.
Ward 5. John J. Reddin.
Ward 6. Charles H. Martel.
Ward 7. Charles E. Bartlett.
Ward 8. James H. Brice.
Ward 9. George J. Nault.
Ward 10. Almon O. Oviatt.

Selectmen.

Elected biennially. (General Laws, chapter 1, section 27; chapter 12, section 6; chapter 40, sections 2, 3; chapter 109, section 27; chapter 213, section 1. City Ordinances, page 18. Public Statutes relating to towns and cities.)

Salary, $15.00, payable at expiration of term.

WARD 1.

Moise Dion. Axel G. Sunderlund.
John F. Murphy.

WARD 2.

Samuel W. Shepherd. James R. Mason.
Arthur F. Williams.

WARD 3.

Herman H. Lampron. Thorndike P. Heath.
William F. Bruton.

WARD 4.

Charles W. Hagland. Herman B. Neal.
Adolphe N. Paul.

WARD 5.

Philip Sullivan. Frederick Martin.
Michael J. O'Brien.

WARD 6.

Alvin G. Bean. Thomas B. Craig.
Arthur E. Desrosiers.

WARD 7.

William E. Cowie. John F. Frost.
James M. Yuill.

WARD 8.

Oliver M. Blood. William R. Blakely.
Fred W. Hoffman.

WARD 9.

Vacancy. John Brunner.
William Broderick.

WARD 10.

Charles A. Childs. John McCarthy.
Norbert Lafond.

REPORT OF THE CITY AUDITOR.

REPORT OF THE CITY AUDITOR.

To the Board of Mayor and Aldermen:

GENTLEMEN:—The auditor herewith submits to your honorable body his report, giving a tabular statement of the receipts and expenditures for the year 1910, and a detailed statement of the expenses of each appropriation during the year.

Respectfully,

JAMES E. DODGE,

City Auditor.

REPORT OF THE CITY TREASURER FOR THE YEAR 1910.

		Dr.
Temporary loans:		
Merrimack River Savings Bank	$50,000.00	
Old Colony Trust Company	100,000.00	
Bond & Goodwin	75,000.00	
Manchester Savings Bank	50,000.00	
		$275,000.00
Strafford Savings Bank:		
Sale of 3½% Improvement bonds, Series E, at par		100,000.00
Trustees of Cemetery fund:		
Sale of 3½% Cemetery bonds, at par		21,000.00
Trustees of Sinking fund:		
For payment of Water bonds maturing July 1, 1910		100,000.00
E. C. Smith, city clerk:		
Dog licenses	$1,557.26	
Sewer licenses	2,202.80	
Rent of tenements	386.96	
Show licenses	346.00	
Renovating licenses	5.00	
Rent of city hall	131.00	
Junk dealers' licenses	210.00	
Lunch cart licenses	20.00	
Job team and hacking licenses	18.00	
Employment bureau	35.00	
Rent of city farm	1,020.00	
Oil tank licenses	.50	

Primary declarations	$331.00	
Billiard, pool and bowling licenses	1,124.46	
Fees, intention of marriage	775.00	
mortgages	171.52	
conditional sales	60.35	
corporations	34.50	
miscellaneous records	88.35	
writs	31.20	
firms	8.25	
assignment of wages	16.80	
discharges	35.50	
		$8,609.45
Police department:		
M. J. Healy, fines and costs	$1,824.68	
John C. Bickford, fees	946.06	
Thomas R. Varick, clerk, pawnbrokers' licenses	500.00	
		3,270.74
Pine Grove cemetery:		
John H. Erskine, superintendent	$7,804.87	
Fred L. Allen, treasurer	3,671.85	
		11,476.72
Merrill yard cemetery:		
John H. Erskine, superintendent		57.00
Valley cemetery:		
Eugene C. Smith, superintendent	$1,875.25	
Fred L. Allen, treasurer, sale of paths	28.50	
		1,903.75
Amoskeag cemetery:		
George P. Harwood, superintendent		21.00
Solon A. Carter, state treasurer:		
Insurance tax	$3,819.38	
Railroad tax	50,424.27	
Savings bank tax	84,600.05	
Literary fund	3,921.12	
		142,764.82
New Hampshire state license commission:		
Balance licenses, 1909	$2,122.94	
Licenses, 1910	52,538.28	
		54,661.22
City scales:		
Gilbert Lyons		320.59
Water-works department:		
Charles K. Walker, superintendent		159,900.80
Board of health:		
Milk licenses	$401.00	
Board of patients, Isolation hospital	242.22	
		643.22

Interest on Bank deposits:		
Second National bank	$976.26	
First National bank	697.82	
George E. Morrill, collector	455.70	
		$2,129.78
School department:		
C. W. Bickford, superintendent, tuition	$1,737.25	
H. L. Davis, clerk, free text-books	208.36	
		1,945.61
Street and park commission:		
Eastern Clay Goods Company	$4,467.63	
Manchester Street Railway	4,205.01	
People's Gas-light Company	927.48	
G. H. Wilson Company	259.90	
H. M. Poirier	120.00	
Henry W. Parker	573.75	
Manchester Traction, Light & Power Co.	15.59	
Lincoln Memorial association	312.90	
Indian Refining Company, overdraft	268.11	
Miscellaneous	395.59	
		11,545.96
Miscellaneous receipts:		
Jeremiah Hodge, overdraft	$8.04	
Mary A. Mara, overdraft	10.00	
Dennis Quinn, sale of typewriter, treasurer's office	25.00	
John B. Hall Co., sale of typewriter, city clerk's office	25.00	
The Cornelius Callahan Company	5.00	
Thomas W. Lane	8.40	
Eugene E. Reed, sale of typewriter, mayor's office	25.00	
J. P. Chatel, balance due on taxes of 1909	73.80	
Cavanaugh brothers	73.95	
Mrs. Emile Paquette, overdraft	8.00	
Mrs. Roy, overdraft	7.00	
John H. Rice	22.47	
S. J. Lord, plumbers' licenses	43.50	
S. J. Lord, horse sold, engineer's department	55.80	
S. J. Lord, engineering work, Second street,	87.07	
S. J. Lord, blueprints for N. E. Tel. & Tel. Co.	27.85	
		505.88
George E. Morrill, collector of taxes:		
Taxes, 1910	$728,016.03	
Taxes, 1909	61,748.29	

Redemption of land sold for taxes	$2,424.20	
Abatement of taxes, 1908 list	1.85	
Abatement of taxes, 1909 list	446.09	
Abatement of taxes, 1910 list	1,549.17	
Land sold for taxes	4,089.86	
Land sold for taxes, nonresident	202.66	
Costs on taxes, 1909	866.20	
Interest on taxes, 1909	1,767.26	
Old taxes, 1903	2.10	
1904	1.95	
1905	12.03	
1906	27.31	
1907	48.85	
1908	178.19	
Account of costs on taxes, 1910	1,165.60	
		$802,547.64
Receipts for the year		$1,698,304.18
Cash on hand January 1, 1910		116,436.86
Unpaid bills December 31, 1910		43,253.24
		$1,857,994.28

	Cr.
Total drafts for the year	$1,657,619.55
Unpaid bills January 1, 1910	30,839.85
Cash on hand December 31, 1910	169,534.88
	$1,857,994.28

Respectfully submitted,

FRED L. ALLEN,
City Treasurer.

To the City Council of the City of Manchester:

GENTLEMEN:—I have examined the accounts of Fred L. Allen, city treasurer, for the year ending December 31, 1910, and find proper vouchers for all payments and all receipts duly accounted for.

The net cash on hand January 1, 1910, was	$85,579.01
Receipts during the year	1,698,304.18
Total	$1,783,901.19
Amount of drafts during the year	$1,657,619.55
Net amount of cash on hand December 31, 1910	126,281.64
Total	$1,783,901.19

Cash taken in December 31, 1910, I find to be as follows:

Deposited in First National Bank, Manchester, N. H....	$136,744.57
Deposited in Second National Bank, Boston, Mass.....	26,016.45
Deposited in office safe.....	6,773.86
Gross amount of cash on hand December 31, 1910..	$169,534.88
Deduct amount of unpaid bills.....	43,253.24
Net amount of cash on hand December 31, 1910.....	$126,281.64

JAMES E. DODGE,
City Auditor.

STATEMENT OF THE RECEIPTS AND EXPENDITURES OF THE CITY OF MANCHESTER FOR THE YEAR 1910.

RECEIPTS.

CENTRAL DEPARTMENT.

Received from:		
Direct city taxes.....	$797,563.78	
Cost and interest on taxes.....	2,633.46	
		$800,197.24
Licenses to enter sewer.....	$2,202.80	
keep dog.....	1,557.26	
sell milk.....	401.00	
keep billiard and pool tables,	1,124.46	
lunch carts, etc.....	288.50	
shows and exhibitions.....	346.00	
Fees from city clerk.....	1,221.47	
Rents from city clerk.....	517.96	
		$7,659.45

SUNDRIES.

Received from:		
City scales.....	$320.59	
Tuition and free text-books.....	1,945.61	
Board of health.....	242.22	
Engineer's department.....	170.72	
Miscellaneous sources.....	179.82	
		$2,858.96

POLICE DEPARTMENT.

Received from:		
Costs and fines	$2,770.74	
Pawnbrokers' licenses	500.00	
		$3,270.74

PUBLIC PLACES.

Received from:		
Amoskeag cemetery	$21.00	
Merrill cemetery	56.00	
Valley cemetery	1,903.75	
Pine Grove cemetery	11,476.72	
		$13,457.47

WATER-WORKS.

Gross receipts	$159,900.80

CITY FARM.

Received for rent of city farm	$1,020.00

LIQUOR LICENSES.

Received from state liquor commissioners for licenses	$54,661.22

MISCELLANEOUS.

Received from:		
Interest	$2,129.78	
Land redeemed from tax sale	2,424.20	
Street and park commission, sale of pipe, stone, etc., and for labor	11,277.85	
Overdrafts	307.15	
Plumbers' licenses	43.50	
Primary election fees	331.00	
		$16,513.48
Total ordinary receipts during the year 1910		$1,059,539.36

DEBT.

Received from:		
Bonds sold	$121,000.00	
Sinking fund trustees	100,000.00	
		$221,000.00

TEMPORARY LOAN.

Received from loan in anticipation of tax of 1910	$275,000.00

STATE.

Received from:		
Insurance taxes	$3,819.38	
Railroad taxes	50,424.27	
Savings bank taxes	84,600.05	
Literary fund	3,921.12	
		$142,764.82
Gross receipts		$1,698,304.18
Net cash on hand January 1, 1910		85,597.01
		$1,783,901.19

Expenditures.

CENTRAL DEPARTMENT.

Interest on water bonds	$29,500.00	
city bonds	36,230.00	
cemetery bonds	2,500.00	
temporary loans	4,744.08	
		$72,974.08
City hall	$4,677.72	
Printing and stationery	2,708.26	
Incidental expenses	6,329.50	
Mayor's incidentals	300.00	
City officers' salaries	29,813.01	
Auditor's department	2,400.00	
Sinking fund trustees	26,000.00	
Assessors' department	9,729.61	
Land sold for taxes	4,292.52	
		$86,250.62

STREET AND SEWER DEPARTMENT.

Street and park commission	$9,999.37	
Snow and ice and cleaning streets	18,530.04	
Repairs of highways	26,362.38	
New highways	67,182.38	
Sweeping streets	7,949.77	
Watering streets	9,980.66	
Paving streets	9,937.63	
Macadamizing streets	6,702.14	
Grading for concrete	6,694.70	
Scavenger service	24,116.01	
Lighting streets	64,325.26	
Bridges	2,409.88	
City teams	18,629.09	
Repairs of sewers	5,431.14	
New sewers	44,667.73	
Brown-tail and gypsy moth	6,937.89	
City yard	5,078.49	
Cutting and trimming trees	975.61	
Land taken for highways	1,900.00	
		$337,810.17

ENGINEER'S DEPARTMENT.

Engineer's department	$9,159.95

HEALTH DEPARTMENT.

Health department	$16,044.24

SCHOOL DEPARTMENT.

Repairs of schoolhouses	$9,966.45	
Fuel	11,455.67	
Furniture and supplies	968.26	
Books and stationery	18.12	
Printing and advertising	517.33	
Contingent expenses	4,276.10	
Care of schoolrooms	10,588.42	
Evening schools	1,814.69	
Evening school, mechanical drawing	268.00	
Teachers' salaries	118,254.60	
Free text-books	7,185.99	
Manual training	605.28	
Typewriters, high school	300.00	
Grading, Highland school	200.00	
Grading, Youngsville school	695.04	
Curbing and walk, Varney school	749.33	
		$167,863.28

CITY LIBRARY.

City library		$8,999.69

FIRE DEPARTMENT.

Fire department	$103,591.13	
Fire-alarm telegraph	3,727.75	
Hydrant service	22,025.00	
		$129,343.83

POLICE DEPARTMENT.

Police station	$2,636.90	
Police court	2,865.92	
Police commission	65,561.29	
		$71,064.11

PUBLIC BUILDINGS.

Repairs of buildings	$10,988.77	
Repairs to Bakersville school	7,592.00	
Repairs to Rimmon school	7,395.16	
Board of examiners of plumbers	33.54	
		$26,009.47

WATER-WORKS.

Water-works	$84,896.78	
Water-works sinking fund	27,025.00	
		$111,921.78

PUBLIC PLACES.

Commons	$4,426.55	
Stark park	1,022.77	
Derryfield park	998.11	
Lafayette park	7,786.42	
Miscellaneous playgrounds	476.51	
Playground, ward eight	134.80	
Merrill cemetery	96.99	
Amoskeag cemetery	670.42	
Valley cemetery	5,290.16	
Pine Grove cemetery	39,081.75	
		$59,984.48

CHARITABLE, PATRIOTIC, AND PHILANTHROPIC.

Paupers off farm	$17,955.19	
Indigent soldiers	280.62	
Women's Aid Home	300.00	
Elliot hospital	300.00	
Notre Dame de Lourdes hospital	300.00	
Sacred Heart hospital	300.00	
W. C. T. U. Mercy Home	300.00	
Infant asylum	300.00	
St. Joseph's orphanage	300.00	
Hospice St. Vincent de Paul	300.00	
Orphanut St. Pierre	300.00	
Decoration of soldiers' graves	499.90	
Militia	1,050.00	
Band concerts	400.00	
Animal Rescue League	300.00	
Boys' club	200.00	
St. John's Home	300.00	
Young Men's Christian association	300.00	
St. Patrick's Girls' home	300.00	
West Side Reading room	100.00	
Granite base for Lincoln's statue	2,163.79	
		$26,549.50

ABATEMENTS.

Abatement of taxes	$2,000.00
Total of ordinary municipal expenditures	$1,125,975.25

TEMPORARY LOAN.

Temporary loan	$275,000.00

BONDED DEBT.

School bonds	$10,000.00	
Water bonds	100,000.00	
		$110,000.00

STATE AND COUNTY TAXES.

State tax	$93,720.00	
County tax	52,924.30	
		$146,644.30
Grand total of expenditures during the year		$1,657,619.55
Cash on hand December 31, 1910	$169,534.88	
Less unpaid bills	43,253.24	
		126,281.64
		$1,783,901.19

Interest.

Appropriation	$45,500.00	
Transferred from water-works account	29,500.00	
		$75,000.00

EXPENDITURES.

Coupons on bridge bonds	$2,400.00	
cemetery bonds	2,500.00	
city bonds	200.00	
city funding bonds	1,732.50	
city loan bonds	1,767.50	
improvement bonds	17,810.00	
municipal bonds	2,800.00	
refunding loan bonds	5,500.00	
school bonds	4,020.00	
water bonds	29,500.00	
		$68,230.00
Bond & Goodwin, discount on notes	$1,102.03	
Manchester Savings Bank, discount on notes	520.31	
Merrimack River Savings Bank, discount on notes	1,293.05	
Old Colony Trust Co., discount on notes	1,828.69	
		4,744.08
Total expenditures		$72,974.08
Transferred to unappropriated money		2,025.92
		$75,000.00

Payment of Funded Debt.

Appropriation	$10,000.00	
Received from water-works sinking fund	100,000.00	
		$110,000.00

EXPENDITURES.

School bonds	$10,000.00	
Water-bonds	100,000.00	
		$110,000.00

Sinking Fund.

Appropriation	$26,000.00

EXPENDITURES.

Trustees of sinking fund	$26,000.00

Unappropriated Money.

RECEIPTS.

Transferred from the following accounts:	
Interest	$2,025.92
Printing and stationery	91.74
Incidental expenses	1,670.50
City officers' salaries	186.99
Assessors' department	120.39
Street and park commission	.63
Repairs of highways	3,637.62
Street sweeping	2,050.23
Watering streets	19.34
Paving streets	62.37
Macadamizing streets	3,297.86
Scavenger service	5,883.99
Bridges	5,590.12
Cutting and trimming trees	24.39
City yard	921.51
Brown-tail and gypsy moth	142.65
Commons	73.45
Derryfield park	17.39
Land taken for highways	100.00

Lighting streets	$174.74	
Health department	3,955.76	
City library	.31	
Fire department	483.87	
Fire-alarm telegraph	272.25	
Police commission	2,438.71	
Police station	363.10	
Police court	34.08	
Repairs of buildings	11.23	
Pine Grove cemetery	20.25	
Valley cemetery	9.84	
Amoskeag cemetery	29.58	
Merrill cemetery	3.01	
Repairs of schoolhouses	33.55	
Books and stationery	31.88	
Fuel	544.33	
Furniture and supplies	531.74	
Evening school, mechanical drawing	32.00	
Teachers' salaries	1,745.40	
Curbing and walk around Varney school	.67	
Repairs to Rimmon school	104.84	
Grading Youngsville school lot	4.96	
Paupers off farm	544.81	
Indigent soldiers	19.38	
Decoration of soldiers' graves	.10	
Land sold for taxes	207.48	
Board of examiners of plumbers	16.46	
Centennial of the name of Manchester	2,000.00	
Granite base for Lincoln statue	336.21	
Engineer's department	10.77	
		$39,878.40

EXPENDITURES.

Transferred to the following accounts:

City hall	$477.72
Snow and ice and cleaning streets	530.04
New highways	8,952.01
Grading for concrete	4,654.70
City teams	6,249.19
Repairs of sewers	71.89
New sewers	200.10
Lafayette park	786.42
Miscellaneous playgrounds	176.51
Playground, ward eight	34.80
Printing and advertising	17.33
Care of rooms	88.42

Contingent expenses	$776.10	
Free text-books	185.99	
Manual training	5.28	
Evening schools	14.69	
Repairs to Bakersville school	92.00	
Free cash in treasury	16,565.21	
		$39,878.40

Temporary Loan.

Receipts.

Bond & Goodwin	$75,000.00	
Manchester Savings Bank	50,000.00	
Merrimack River Savings Bank	50,000.00	
Old Colony Trust Co	100,000.00	
		$275,000.00

Expenditures.

Bond & Goodwin	$75,000.00	
Manchester Savings Bank	50,000.00	
Merrimack River Savings Bank	50,000.00	
Old Colony Trust Co	100,000.00	
		$275,000.00

City Hall.

Appropriation	$4,200.00	
Transferred from unappropriated money	477.72	
		$4,677.72

Expenditures.

Fuel, Lights, Telephone, Water.

Manchester Traction, Light & Power Co., electric lights	$658.50	
Moore & Preston Coal Co., coal	505.26	
New England Telephone & Telegraph Co., tolls	9.00	
People's Gas-light Co., gas	245.85	
Water commissioners, use of water	521.60	
		$1,940.21

CLEANING OFFICES, ETC.

Daniels-Cornell Co., brooms, soap, etc.....	$13.25	
H. I. Dallman & Co., "Dustoline".....	3.50	
L. M. Folsom, gauze and towels.....	9.34	
John B. Hall Co., soap.....	2.88	
Manchester Hardware Co., wringer, mops, brushes, pails, etc.....	17.25	
Manchester Tea Co., matches.....	2.00	
Sarah Minton, cleaning.....	375.00	
Office Toilet Supply Co., toilet service.....	13.00	
Joseph Ricard, janitor.....	352.50	
Charles Robitaille, janitor.....	871.21	
Timothy Sullivan, janitor public comfort..	540.00	
John B. Varick Co., thermometer.....	.50	
West Disinfecting Co., "Euchrelyptum".....	65.00	
		$2,265.43

FURNITURE AND SUPPLIES.

The Barton Co., awnings, and hanging and taking down same.....	$107.01	
Maria P. Barker, 1 bookcase.....	25.00	
Peter Harris & Son, keys.....	1.40	
C. A. Hoitt Co., 1 rug.....	3.00	
Manchester Hardware Co., flag, wire cloth, glue, hose	18.40	
Manchester Traction, Light & Power Co., lamps	24.40	
		$179.21

INCIDENTAL REPAIRS.

W. L. Aller & Co., caning chair.....	$2.30	
C. W. Anderson & Co., repairing clock.....	2.00	
The Barton Co., repairing flag.....	.25	
E. M. Bryant & Co., repairing electric bells, etc.	1.70	
C. DeMoulpied & Co., repairing chair.....	1.25	
A. L. Franks & Co., cleaning fan.....	1.75	
Farrell Brothers, batteries, and repairs.....	2.00	
Peter Harris & Son, repairs.....	3.65	
J. J. Moreau & Son, screen cloth, and labor,	2.00	
George Pearson, repairing clock.....	.75	
Pike & Heald Co., repairing awning frames, etc.	2.06	
John H. Stevens, steam gauge.....	2.50	
C. A. Trefethen, cleaning clock.....	1.50	
		$23.71

INSURANCE PREMIUMS.

Wm. G. Berry	$26.75	
George Blanchet	13.38	
Clough & Parker	13.38	
Dockham & Thorpe	44.58	
John A. Sheehan	89.18	
Fred R. Stark	31.81	
G. A. Vermille Insurance Agency	44.58	
		$263.66

SUNDRIES.

C. B. Clarkson, weighing coal	$5.00	
J. G. Jones, freight and cartage	.50	
		$5.50
Total expenditures		$4,677.72

Printing and Stationery.

Appropriation	$2,800.00

EXPENDITURES.

TAX COLLECTOR.

D. Cassis, Greek circulars	$3.25	
E. H. Chadbourne, stamps	240.00	
John B. Clarke Co., printing bills, notices, warrants, etc.	92.00	
Advertising notice	26.25	
J. Arthur Williams, envelopes	4.25	
		$365.75

CITY CLERK.

John B. Clarke Co., printing blanks	$30.75	
Albert Ruemely, printing blanks, booklets, etc.	36.75	
J. Arthur Williams, printing blanks	4.00	
		$71.50

CITY TREASURER.

E. H. Chadbourne, stamps	$35.00
E. H. Clough, envelopes, stamps, postals	61.84
John B. Clarke Co., printing noteheads	2.00

W. P. Goodman, stationery	$2.25	
Stewart, Warren & Co., lithographing and engraving, etc	22.00	
		$123.09

MAYOR.

W. P. Goodman, stationery	$12.00	
Temple & Farrington Co., letterheads	4.50	
		$16.50

CITY AUDITOR.

John B. Clarke Co., printing 500 city reports	$1,312.14	
Melvin & Fitts, ledger cover and ruled sheets	28.58	
Temple & Farrington Co., binding city reports	128.75	
J. Arthur Williams, printing postals	2.50	
		$1,471.97

CITY WEIGHER.

W. P. Goodman, stationery	$1.00

BUILDING INSPECTOR.

Ruemely Press, printing circulars, letterheads, blanks, etc.	$40.00

CITY COUNCILS AND COMMITTEES.

John B. Clarke C., printing ballots, check-lists, and additions	$511.50	
Ruemely Press, printing postals and appropriation sheets	50.25	
E. A. Stratton Co., stationery and printing	56.70	
		$618.45

Total expenditures	$2,708.26
Transferred to unappropriated money	91.74
	$2,800.00

Incidental Expenses.

Appropriation	$8,000.00

Expenditures.

BIRTHS AND DEATHS.

M. P. Badger, M. D.	$1.25
George L. Bastian, M. D.	3.50
H. W. N. Bennett, M. D.	.50
W. L. Biron, M. D.	63.25
H. T. Boutwell, M. D.	.25
H. W. Boutwell, M. D.	2.50
B. W. Baker	.25
A. A. E. Brien, M. D.	1.00
Lillian G. Bullock, M. D.	2.75
I. L. Carpenter, M. D.	3.50
H. D. W. Carvelle, M. D.	.25
Charles Chirurg, M. D.	4.75
Herman Christophe, M. D.	12.00
Clarence O. Coburn, M. D.	8.00
J. M. Collity, M. D.	9.25
P. W. F. Corning, M. D.	3.00
Walter T. Crosby, M. D.	6.75
Charles L. Curtiss, M. D.	7.00
E. H. Currier, M. D.	2.25
George M. Davis, M. D.	19.00
Mary Danforth, M. D.	6.75
R. H. Dillon, M. D.	4.50
Eugene B. Dunbar, M. D.	13.25
Antonina Dyba	.25
John D. Ferguson, M. D.	3.25
George V. Fiske, M. D.	3.25
C. F. Flanders, M. D.	27.50
C. A. Folsom, M. D.	10.50
George S. Foster, M. D.	3.25
E. N. Fugere, M. D.	38.00
John H. Gleason, M. D.	4.00
Moise Guerin, M. D.	19.25
Noel E. Guillet, M. D.	1.00
George B. Hoitt, M. D.	6.00
John F. Holmes, M. D.	.50
Ezra A. Jones, M. D.	4.50
M. E. Kean, M. D.	8.50
J. A. Lacasse, M. D.	60.50
Susan Laflamme	24.50
Gustave Lafontaine, M. D.	23.25
J. E. A. Lanouette, M. D.	55.25
J. E. Larochelle, M. D.	53.25
Z. A. Lavoie, M. D.	60.00

J. E. Lemaitre, M. D.	$3.00	
J. D. Lemay, M. D.	8.50	
Wm. H. Lyons, M. D.	20.25	
A. A. Macleay, M. D.	.25	
A. S. Mangurian, M. D.	2.50	
C. W. Milliken, M. D.	9.50	
J. W. D. McDonald, M. D.	3.25	
John T. Murray, M. D.	3.75	
G. B. Morey, M. D.	1.75	
H. W. Newell, M. D.	4.00	
D. C. Norton, M. D.	.25	
John C. O'Connor, M. D.	14.00	
Clara Odmann	4.50	
D. W. Parker, M. D.	3.25	
W. M. Parsons, M. D.	2.00	
W. H. Pattee, M. D.	4.00	
J. R. Pepin, M. D.	10.25	
Frederick Perkins, M. D.	1.75	
J. F. Pherson, M. D.	4.00	
Anna Pollmer	4.00	
Wm. Richardson, M. D.	2.00	
J. F. Robinson, M. D.	3.50	
F. N. Rogers, M. D.	5.25	
J. E. E. Roy, M. D.	23.00	
Henry L. Stickney, M. D.	4.50	
A. Gale Straw, M. D.	4.00	
Zatae L. Straw, M. D.	11.00	
C. A. Sturtevant, M. D.	12.25	
C. B. Sturtevant, M. D.	2.50	
James Sullivan, M. D.	4.00	
Emil Sylvain, M. D.	16.50	
Joseph Taylor, M. D.	15.50	
W. A. Thompson, M. D.	10.75	
A. J. Todd, M. D.	1.25	
George D. Towne, M. D.	1.00	
E. C. Tremblay, M. D.	5.25	
G. B. Underwood, M. D.	.75	
Ellen A. Wallace, M. D.	1.00	
George M. Watson, M. D.	28.00	
Maurice Watson, M. D.	2.25	
N. B. Webber, M. D.	4.50	
R. W. Weeks, M. D.	6.75	
A. F. Wheat, M. D.	4.00	
George C. Wilkins, M. D.	7.00	
		$863.25

MARRIAGES.

Rev. H. E. Allen	$0.50
Rev. C. R. Bailey	1.00
Rev. James A. Beebe	6.00
Rev. J. H. Brennan	13.50
Rev. Thomas Chalmers	2.00
Rev. J. A. Chevalier	16.50
Rev. N. L. Colby	17.00
Rev. C. L. Corliss	2.75
Rev. Matthew Creamer	.50
Rev. I. H. C. Davignon	13.25
Rev. L. J. A. Doucet	5.25
Rev. J. E. A. Evert	3.50
I. E. and W. H. Forbes	3.25
Rev. David Fraser	2.50
Rev. Charles Frost	.25
Rev. G. A. Hathaway	1.25
Rev. G. R. Hazard	1.75
Rev. Burton L. Hess	.50
Rev. Pierre Hevey	12.00
R. L. Jones	.25
Rev. John Kamm	1.50
Carroll S. King	1.00
J. Koplowitz	.25
Jacob Krull	.50
Rev. J. B. Lemon	2.25
Rev. Adolphus Linfield	.50
Rev. B. W. Lockhart	2.25
Rev. J. J. Lyons	7.50
Rev. F. X. Lyons	1.50
Rev. J. W. MacCallum	.25
Rev. E. J. Palisoul	.75
Rev. F. Pebler	.25
Rev. J. B. Puchala	15.00
Rev. E. E. Reynolds	.75
Rev. Samuel Russell	8.25
Herman Rodelsperger	2.25
Rev. P. E. Sandberg	.25
Rev. P. Schachter	.50
Rev. John C. Smith	.25
Rev. George Steinert	.75
Michael Struminsky	.25
Leo Tyllo	1.00
Rev. A. F. Walch	1.50
Rev. Florian Widman	5.25

John E. Wildey	$0.25	
Rev. Leo Wolansky	1.50	
		$159.75

DAMAGES AND JUDGMENTS.

W. H. Boyd	$15.00	
Eugene Jobin	2.40	
Karl A. Klaubert	35.00	
James R. Leach	120.00	
Joseph Lebrun	10.00	
Charles H. Martin	13.00	
Robie Consolidated Concrete Co.	140.91	
		$336.31

LEGAL SERVICES.

W. A. Burgess	$50.00	
Dudley & Sawyer	5.00	
A. J. Edgerly	25.00	
Charles J. Hadley	50.00	
Charles C. Hayes	50.00	
Calvin Wood	13.80	
		$193.80

CITY COUNCILS AND COMMITTEES.

John B. Clarke Co., advertising ordinances,	$297.98	
Ferdinand Farley, reporting mayoralty hearing, and transcript of same	35.00	
Manchester Union Co., advertising ordinances	261.30	
New England Telephone & Telegraph Co., tolls, city messenger	1.42	
H. P. Rollins, multigraphing resolutions	6.75	
Harry W. Spaulding, postals and postage	4.00	
Edward C. Smith, expenses to Concord, N. H., of special committee on petition of George F. Sheehan, praying to be seated as alderman from ward five	20.00	
Expenses of board of mayor and aldermen to Concord, N. H., on petition of James Sullivan, praying to be given certificate of election as mayor	60.92	
Temple & Farrington Co., 1 book	9.00	
		$696.37

TEAMS FOR COUNCIL AND COMMITTEES.

Bridge-street Auto Garage Co.	$15.00	
Lester W. Brooks	10.00	
E. L. Bohan	5.00	
P. Campbell	5.00	
Fitz-Dillingham Co.	5.00	
W. J. Freeman	20.00	
Hadlock's garage	35.00	
W. Y. Hadlock	20.00	
W. H. Lamoureux	5.00	
James W. Richards	5.00	
H. A. Russell	5.00	
W. C. Spear	20.00	
Louis Vogel	20.00	
		$170.00

CITY SCALES.

Amoskeag Manufacturing Co., forging and labor	$6.25	
L. B. Bodwell & Co., coal	15.00	
T. J. Briggs, grate, crossbar, etc.	4.15	
F. E. Marsh, 1 dry measure gauge	1.50	
E. W. Poore, wood	5.00	
Temple & Farrington Co., 20 books	6.25	
		$38.15

MAYOR.

American Ribbon & Carbon Co., carbon paper	$7.00	
W. P. Goodman, stationery, diaries	15.65	
W. P. Goodman, directories	94.50	
Thomas Nelson & Sons, 1 set L. L. Encyclopaedia, less discount	67.50	
Temple & Farrington Co., registers, envelopes, and cover	7.75	
		$192.40

TAX COLLECTOR.

E. H. Chadbourne, stamps and stamped envelopes	$88.88
E. H. Clough, stamped envelopes	42.88
John B. Clarke Co., binding book	2.00
W. P. Goodman, stationery	6.35
Independent Statesman, advertising nonresident taxlist	8.25
A. E. Martell Co., letter book	4.50
Melvin & Fitts, book and stationery	2.10

Pike & Heald Co., 1 tin box	$0.75	
Francis Pratt, Jr., pens	1.50	
E. A. Stratton Co., 3 books	7.00	
Temple & Farrington Co., envelopes, book, and copy General Statutes	66.83	
		$231.04

CITY CLERK.

Boston Badge Co., junk collectors' badges	$30.00	
W. P. Goodman, stationery	17.00	
Ideal Stamp Co., stamps	2.35	
Melvin & Fitts, ledger, binder, paper	31.70	
F. H. McArdle, inkstands and moisteners	5.50	
Remington Typewriter Co., 1 McMillan book,	25.85	
Smith Premier Typewriter Co., 1 McMillan record book	16.85	
Western Union Telegraph Co., clock rental,	12.00	
		$141.25

CITY TREASURER.

Amoskeag National Bank, rent of safety deposit box	$15.00	
F. L. Allen, paid for envelopes, writing reports, etc.	4.30	
The Birmingham Pen Co., pens	2.50	
Frank P. Bridges & Co., pens	1.50	
Burroughs Adding Machine Co., 1 No. 9 machine	367.50	
W. P. Goodman, stationery	10.45	
Ideal Stamp Co., stamps	1.65	
Kee Lox Manufacturing Co., coupon book	4.50	
Manchester National Bank, rent of safe	50.00	
F. H. McArdle, pencils, rubber bands, fastener machine	5.03	
Melvin & Fitts, stationery	2.23	
New England Telephone & Telegraph Co., tolls	14.36	
Old Colony Trust Co., preparation and certification, bonds and temporary loan	403.00	
Francis Pratt, Jr., pens	1.50	
Remington Typewriter Co., 1 No. 10 typewriter	90.00	
E. A. Stratton Co., printing postcards, etc.	4.50	
Temple & Farrington Co., books and stationery and binding payrolls	23.00	
Thorp & Martin Co., paper	1.90	
		$1,002.92

COURT HOUSE.

W. E. Dunbar & Sons, wood	$6.00	
Gustave Hecker, janitor	200.00	
Manchester Hardware Co., 1 pail	.50	
Maxwell Ice Co., wood	7.00	
Willard Miner, janitor	400.00	
Willard Miner, removing and putting on windows	1.50	
Moore & Preston Coal Co., coal	315.98	
People's Gas-light Co., gas	.66	
		$931.64

BUILDING INSPECTOR.

W. P. Goodman, stationery	$1.87	
New England Telephone & Telegraph Co., use of telephone	54.00	
Novelty Co., typewriter ribbon and oil	1.65	
S. A. Sprague, transportation and expenses to New York and return, account of building code	16.90	
Temple & Farrington Co., stationery	19.70	
John B. Varick Co., sketching paper, cardboard, etc.	2.88	
		$97.00

INSURANCE PREMIUMS.

W. G. Berry	$7.50	
George Blanchet	7.50	
Clough & Parker	5.00	
John Dowst	5.00	
Everett & Bunton	7.50	
L. A. O'Connor	50.00	
Thomas D. Paris	50.00	
Putnam & Laflamme	54.00	
John A. Sheehan	18.75	
		$205.25

ELECTION EXPENSES.

O. G. Bloomey, sawdust	$4.60	
C. Boisclair, use of team	2.00	
Brodie Electric & Auto Co., taking ballot-box from city hall to ward 9	1.00	
T. J. Briggs, pipe and labor, ward 5	3.18	
Richard J. Brown, care of ward room, taking down booths, sundry times	25.00	

John Brunner, 24 pencils, and extra work primary election	$5.24
E. M. Bryant & Co., mantles, lamps, labor	13.52
Connor Brothers, labor and material, wards 5 and 10	8.82
Farrell Brothers, wiring for lights, lamps, etc., ward 5	34.89
W. J. Freeman, use of hacks (ballot boxes),	7.00
A. L. Franks & Co., electric lights, sundry wards	38.50
Gallagher Amusement Co., rent of Mechanics theater	200.00
E. F. Geffrion, use of voting hall	55.00
Peter Groux, setting up fans, ward 3	6.00
W. P. Goodman, stationery	40.35
W. Y. Hadlock, use of automobiles, inspectors of checklists	10.00
Hedding Baggage Transfer, use of hack, ward 10 ballots	5.00
C. A. Hoitt Co., use tables and chairs, ward 10	2.65
F. W. Hoffman, labor and sawdust, ward 8	7.65
Robert Leggett, fares and dinners, Concord, N. H., recount of votes, wards 6 and 10, 1909, contested election case	21.00
Levesque & Boucher, fuel, ward 5	6.00
T. W. Marland, making checklist board, ward 2	3.00
C. H. Martel, stationery, express, postage, ward 6	10.00
John McCarthy, labor, ward 10	2.50
Melvin & Fitts, pads and pencils	5.25
Moore & Preston Coal Co., wood, ward 2	1.00
J. F. Murphy, setting up and taking down railing, etc., ward 1	8.00
H. B. Neal, supplies and labor	13.53
George Nault, delivering ballots	.50
Almon O. Oviatt, preparing ward 10 ward-room for primary election, stationery and postage	7.50
Powell & Clarkson, labor and teaming, ward 3	7.25
Platts Bros., use of heater, and cartage, ward 2	1.50
George P. Rand, setting up and removing booths, ward 7	8.00

Ruemely Press, blanks and notices.....	$5.50	
Charles Robitaille, repairing rail to booth..	4.00	
Star Stamp Co., stamps and pads.....	9.00	
Thomas Stewart, sawdust, cartage, labor..	4.00	
		$587.93

SUNDRIES.

American Express Co., express on reports..	$8.03	
F. L. Allen, expenses to Boston and Concord, sundry times	38.02	
W. L. Aller & Co., caning chairs, council chamber	2.00	
Battery A, firing salute, Fourth of July.....	32.00	
E. H. Chadbourne, stamps.....	25.00	
C. B. Clarkson, weighing coal.....	3.75	
Consolidated Electric Lamp Co., lamps.....	43.35	
John T. Heath, photograph of Mayor Reed, and frame	15.00	
Manchester Traction, Light & Power Co., electric lights, ward 10 engine house.....	19.57	
Wm. Martin, burying dog killed by police..	1.00	
John J. McAllister, Jr., weighing coal.....	2.89	
New England Decorating Co., decorating city hall, Franco-American celebration..	35.00	
New England Telephone & Telegraph Co., use of telephone, city physician.....	32.32	
New England Telephone & Telegraph Co., use of telephone, city solicitor.....	.45	
People's Gas-light Co., gas, battery building,	9.02	
Edward C. Smith, return of 352 names of children	88.00	
Edward C. Smith, cash paid for expenses of Chief Lane and committee on fire department, and committee on finance to Boston, inspecting fire autos.....	62.94	
Town of Goffstown, taxes.....	3.10	
Water commissioners, use of water, ward 5 wardroom, battery building, city farm....	61.00	
		$482.44

Total expenditures	$6,329.50
Transferred to unappropriated money.....	1,670.50
	$8,000.00

City Officers' Salaries.

Appropriation	$30,000.00

Expenditures.

CENTRAL DEPARTMENT.

Eugene E. Reed, mayor	$3,000.00	
Fred L. Allen, city treasurer	1,650.00	
Edward C. Smith, city clerk	1,350.00	
Edward C. Smith, clerk of committees	200.00	
George E. Morrill, tax collector	1,500.00	
Edwin C. Paul, deputy collector	800.00	
Abraham S. Rich, deputy collector	800.00	
Denis Vigneault, deputy collector	800.00	
James R. Ferson, city messenger	1,000.00	
S. Andrew Sprague, building inspector	1,350.00	
John T. Nixon, city solicitor	800.00	
Gilbert Lyons, city weigher	500.00	
George A. Doherty, acting city weigher	19.20	
Harry W. Spaulding, clerk common council,	100.00	
George Merrill, bathhouse caretaker	120.00	
Frank A. Murphy, bathhouse caretaker	36.66	
Susie E. Wason, mayor's clerk	720.00	
Mabel L. How, treasurer's clerk	780.00	
Eva G. Jones, city clerk's clerk	720.00	
Miranda M. Therrien, city clerk's clerk	250.00	
Malvina Levesque, city clerk's clerk	315.00	
John J. McAllister, Jr., clerical services, city clerk	45.90	
Park J. Stewart, building inspector's clerk	462.00	
Robert A. Morrill, clerical services, tax collector	70.00	
May Davis, clerical services, tax collector	85.50	
Mrs. Blanche Wheeler, clerical services, tax collector	125.00	
		$17,599.26

CITY PHYSICIAN AND OVERSEERS OF THE POOR.

John C. O'Connor, city physician	$900.00
Michael Herbert, ward 1	50.00
Daniel G. Andrews, ward 2	50.00
Joseph L. Boudreau, ward 3	50.00
Charles B. Clarkson, ward 4	50.00
Thomas F. Sheehan, ward 5	50.00

John L. Wentworth, ward 6	$50.00	
Wm. Marshall, ward 7	50.00	
Robert J. Werner, ward 8	50.00	
Adelard Lambert, ward 9	50.00	
Edward T. Tate, ward 10	50.00	
Thomas H. Stewart, clerk	125.00	
		$1,525.00

SCHOOL OFFICERS AND BOARD OF SCHOOL COMMITTEE.

Charles W. Bickford, school superintendent,	$2,300.00	
Curtis W. Davis, truant officer	1,000.00	
Harry L. Davis, clerk of schoolboard	150.00	
James B. Fitch, president of common council, *ex officio*	10.00	
Sumner W. Patten, ward 1	10.00	
Joseph W. Abbott, ward 1	10.00	
George M. Davis, ward 2	10.00	
Allan M. Wilson, ward 2	10.00	
Thomas Chalmers, ward 3	10.00	
Frank L. Downs, ward 3	10.00	
Edward P. Morrill, ward 4	10.00	
William A. Phinney, ward 4	10.00	
John F. Lee, ward 5	10.00	
Joseph P. Devine, ward 5	10.00	
Harry L. Davis, ward 6	10.00	
G. Waldo Browne, ward 6	10.00	
Edward B. Woodbury, ward 7	10.00	
Albert W. Thompson, ward 7	10.00	
Walter B. Mitchell, ward 8	10.00	
Frank A. Cadwell, ward 8	10.00	
Antoine M. Menard, ward 9	10.00	
Aime Martel, ward 9	10.00	
Francis X. Lyons, ward 10	10.00	
John H. Rice, ward 10	10.00	
		$3,660.00

BOARD OF ALDERMEN.

Ernest W. Weisner, ward 1	$200.00
Joseph H. Geisel, ward 2	54.00
Albert L. Clough, ward 2	126.00
Fred O. Parnell, ward 3	200.00
Maurice L. Hoitt, ward 4	200.00
Richard J. Barry, ward 5	200.00
Andrew B. Bunton, ward 6	200.00
Herbert A. Salls, ward 7	200.00

James E. McDonald, ward 8	$200.00	
Arthur J. Provost, ward 9	200.00	
Pierre J. Charron, ward 10	200.00	
		$1,980.00

ELECTION OFFICERS.

Election inspectors	$820.00	
Inspectors of checklists	2,928.75	
Moderators	255.00	
Selectmen	740.00	
Ward clerks	305.00	
		$5,048.75
Total expenditures		$29,813.01
Transferred to unappropriated money		186.99
		$30,000.00

Assessors' Department.

Appropriation	$9,500.00	
Appropriation, by resolution, August 29	350.00	
		$9,850.00

EXPENDITURES.

SALARIES OF BOARD.

George A. Clark,* chairman	$250.00	
Joseph O. Tremblay, chairman	1,500.00	
Joseph H. Geisel	1,250.00	
William P. Farmer	1,500.00	
		$4,500.00
Arthur W. Rowell, clerk of board		$1,200.00
Harry J. Briggs, engineer		$939.00

CLERICAL SERVICES.

J. W. Z. Bernard	$37.50
Charles W. Brown	137.50
Fred R. Currier	42.00
Frank P. Collins	123.75
James Costakis	35.00
Albert Dugre	23.75
Arthur H. Fletcher	159.50

* Resigned. Joseph H. Geisel elected.

Artz Furchtegott	$31.25	
Harry T. George	104.50	
Victor Irsyk	35.00	
Hjalmar C. Johnson	32.50	
John W. S. Joyal	35.00	
Joseph T. Laforce	132.00	
Thomas A. McCabe	35.00	
John Montplaisir	26.25	
W. J. Murphy	40.00	
Charles Oettler	25.00	
Alphonse Regnier	32.50	
G. F. Sheehan	32.50	
L. M. Streeter	32.50	
George Taylor	42.50	
C. C. Tinkham	35.00	
Adrien Tremblay	4.50	
C. D. Trudell	27.50	
Armelle Turcotte	22.50	
George B. True	143.00	
Romeo Tremblay	107.50	
		$1,535.50

USE OF TEAMS.

Edward L. Bohan	$9.00	
Bridge-street auto garage	5.00	
Lester W. Brooks	8.00	
C. Boisclair	2.00	
Peter Campbell	4.00	
W. J. Freeman	18.50	
J. D. French	2.50	
E. G. Libbey	44.00	
Manchester auto garage	12.50	
George W. Reed	9.00	
Roy & Gadbois	44.50	
J. W. Richards	27.00	
L. M. Streeter	19.50	
Louis Vogel	63.50	
		$269.00

SUPPLIES, ETC.

Carl W. Anderson & Co., ink	$1.80
J. J. Abbott, kalsomining walls	12.00
Bechard & Co., printing inventory blanks	7.50
John B. Clarke Co., printing and advertising	114.63
E. H. Clough, stamped envelopes	82.88
A. L. Franks & Co., lamps	7.20

W. P. Goodman, stationery	$12.45	
Peter Harris & Son, repairs	6.35	
C. A. Hoitt Co., linoleum	2.67	
E. H. Holmes, hoisting safe into office	40.00	
Kenney Bros. & Wolkins, 6 inkwells	1.00	
L'Avenir National, publishing notice	16.25	
LeReveil Publishing Co., publishing notice	16.25	
Manchester Typewriter Exchange, 1 platen,	1.65	
Manchester Traction, Light & Power Co., lamps	8.40	
Melvin & Fitts, 1 bookcase	15.50	
J. S. Mills, work on typewriter	2.50	
F. H. McArdle, carbon paper	2.50	
J. J. Moreau & Son, pencils, tin, enamel, labor	12.70	
Manchester Union Co., publishing notice	21.00	
New England Telephone & Telegraph Co., use of telephone	56.02	
Office Toilet Supply Co., toilet service	14.30	
A. J. Precourt, fountain pen, and 1 typewriter	61.00	
Powell & Clarkson, typewriter stand and oak table top	21.00	
Ruemely Press, printing cards	3.25	
E. A. Stratton Co., printing blanks	3.75	
Temple & Farrington Co., books and stationery	117.75	
J. O. Tremblay, cash paid:		
Expenses, sundry cities	179.68	
Postage, carfares, etc.	85.25	
J. O. & L. P. Tremblay, repairing steel case drawers	2.25	
John B. Varick Co., 1 safe	325.00	
John B. Varick Co., steel tape, ink, paper, etc.	31.63	
		$1,286.11
Total expenditures		$9,729.61
Transferred to unappropriated money		120.39
		$9,850.00

Auditor's Department.

Appropriation	$2,400.00

EXPENDITURES.

LABOR.

James E. Dodge, salary as auditor.....	$1,350.00	
Lizzie M. Cogswell, services as clerk.....	880.00	
		$2,230.00

SUPPLIES.

Barton Company, towels.....	$1.77	
L. M. Cogswell, cash paid:		
Laundry, soap, cheese cloth.....	6.70	
Stamps, postals, stationery.....	10.00	
James E. Dodge, paid express, expenses to Boston, etc.	10.97	
W. P. Goodman, stationery and books.....	14.47	
F. H. McArdle, penholders.....	1.00	
Manchester Traction, Light & Power Co., labor on electric fan.....	.75	
Municipal Journal & Engineer, subscriptions to magazine	6.00	
Remington Typewriter Co., 1 No. 7 typewriter and cover, less exchange and discount	80.00	
Temple & Farrington Co., files.....	1.50	
John B. Varick Co., battery and paper.....	1.84	
J. A. Williams, printing billheads.....	35.00	
		$170.00
Total expenditures		$2,400.00

Mayor's Incidentals.

Appropriation	$300.00

EXPENDITURES.

Eugene E. Reed.....	$300.00

Street and Park Commission.

Appropriation	$10,000.00

EXPENDITURES.

SALARIES OF COMMISSIONERS.

William McElroy, chairman	$750.00	
Samuel J. Lord, clerk	1,100.04	
Byron Worthen	750.00	
		$2,600.04

DIVISION SUPERINTENDENTS AND ASSISTANTS.

George P. Ames, division No. 2	$1,500.00	
Charles Francis, division No. 7	1,200.00	
Alphonse Laberge, division No. 10	1,092.00	
Emile A. Blanchet, timekeeper, division No. 2	477.00	
John A. Gemmell, timekeeper, division No. 10	692.00	
Harold M. Haskell, second hand, division No. 2	291.28	
Frank P. Collins, timekeeper	52.00	
John J. McAllister, Jr., inspector of street repairs	110.16	
		$5,414.44

CLERICAL SERVICES.

Frank L. Aldrich	$62.50	
Harrie H. Clement	372.00	
Omer Coffin	36.00	
Joseph McElroy	123.86	
Frank L. McAllister	40.50	
Richard V. McAllaster	120.58	
Harry G. Sanford	29.75	
E. Park Stevens	452.60	
		$1,237.79

SUPPLIES.

Amoskeag Manufacturing Co., neostyle paper,	$1.75	
Burroughs Adding Machine Co., ribbon, and attention to machine	4.00	
John B. Clarke Co., printing blanks, etc.	102.50	
John B. Clarke Co., advertising notice	1.20	
E. H. Clough, stamps	20.00	
H. H. Clement, express, carfares, etc.	11.27	
W. P. Goodman, books and stationery	39.03	
Hesser Business College, neostyle ink and paper	1.67	
Ideal Stamp Co., rubber stamps	2.15	

Kee Lox Manufacturing Co., ribbons and paper	$8.00	
Manchester Traction, Light & Power Co., lamps, shades and holders	21.60	
Manchester Typewriter Exchange, 1 stapler and staples	4.25	
Manchester Union Co., advertising	1.56	
Melvin & Fitts, cabinet, sections, holders, cards, books and stationery	131.50	
Munson Supply Co., pneumatic keys	7.00	
Municipal Journal & Engineer, 1 subscription to March, 1911	3.00	
New England Telephone & Telegraph Co., use of telephones	182.87	
New York Blue Print Paper Co., paper	1.60	
Francis Pratt, Jr., pens	1.50	
Remington Typewriter Co., adjusting machine	2.00	
Ruemely Press, printing and binding	31.75	
E. Park Stevens, express and postage	19.00	
Temple & Farrington Co., books and stationery, and binding records	34.15	
John B. Varick Co., oil	.25	
Samuel Ward Co., staples for binder	2.00	
J. Arthur Williams, paper, printing, and binding	50.60	
H. M. Young, postage and labor	60.90	
		$747.10
Total expenditures		$9,999.37
Transferred to unappropriated money		.63
		$10,000.00

Repairs of Highways.

Appropriation	$30,000.00

Expenditures.

LABOR.

Division No. 2:	
January	$133.44
February	6.13
March	130.07

April	$74.31	
May	455.32	
June	2,310.34	
July	1,279.59	
August	97.90	
September	43.75	
October	1,001.87	
November	1,583.55	
		$7,116.27
Division No. 4:		
January	$22.18	
March	37.95	
June	40.37	
		$100.50
Division No. 5:		
March	$1.50	
April	39.11	
June	70.10	
July	37.25	
		$147.96
Division No. 7:		
February	$100.25	
March	84.50	
April	494.62	
May	816.10	
June	533.06	
July	340.94	
August	142.23	
September	121.00	
October	216.16	
November	590.29	
		$3,439.15
Division No. 9:		
May	$151.12	
July	225.00	
		$376.12
Division No. 10:		
January	$9.25	
February	5.25	
March	78.87	
April	255.86	
May	480.48	
June	1,735.63	
July	1,209.76	
August	571.79	
September	2.00	
October	1.75	
		$4,350.64

SUPPLIES, ETC.

C. A. Bailey, curbing	$158.10	
Carson Trench Machine Co., boiler for cableway engine	360.00	
Indian Refining Co., liquid asphalt	536.22	
Hanscom Construction Co., balance due, paving Elm street	1,280.22	
J. S. Lovering, gravel	1.20	
A. N. Nettel, clay	3.00	
Palmer & Garmon, paving blocks	1,670.90	
Pike & Heald Co., washers, brush, etc	3.86	
Robie Consolidated Concrete Co., concrete	683.62	
Vacuum Oil Co., cylinder and engine oil	92.30	
John B. Varick Co., tools, dynamite, etc	93.57	
Arthur A. Warren, kerosene oil and gasoline,	17.75	
Winchester Stone Co., broken stone	4,614.67	
		$9,515.41

REPAIRS.

Buffalo Steam Roller Co., material and repairs on roller	$448.09	
Drew Machinery Agency, repairing roller	8.10	
		$456.19

SUNDRIES.

American Express Co., express charges	$12.50	
Boston & Maine Railroad, freight and car service	28.16	
L. B. Bodwell & Co., coal	680.43	
Alex Champagne, care and maintenance of watering trough	4.00	
George J. Gingras, cash paid for repairing awning	2.25	
Manchester Traction, Light & Power Co., electricity for crusher	88.92	
Ernest Rene, loss of time, due to accident	5.25	
S. B. Stearns, insurance premium (boiler)	23.63	
Water commissioners, water for crusher	15.00	
		$860.14
Total expenditures		$26,362.38
Transferred to unappropriated money		3,637.62
		$30,000.00

New Highways.

Appropriation	$52,000.00	
Received for labor and material sold	6,230.37	
Transferred from unappropriated money	8,952.01	
		$67,182.38

Expenditures.

LABOR.

Division No. 2:		
June	$5.69	
July	685.21	
August	3,216.53	
September	4,751.41	
October	5,460.09	
November	6,591.72	
		$20,710.65
Division No. 4:		
August	$166.50	
September	114.50	
		$281.00
Division No. 5:		
August	$127.00	
September	77.87	
November	91.24	
		$296.11
Division No. 7:		
February	$14.00	
June	1,088.27	
July	853.42	
August	878.22	
September	418.12	
October	397.11	
November	972.50	
		$4,621.64
Division No. 9:		
August	$452.94	
September	536.63	
October	531.97	
November	507.70	
		$2,029.24
Division No. 10:		
June	$11.26	
August	1,063.53	
September	1,522.94	
October	1,847.46	
November	1,449.99	
		$5,895.18

SUNDRIES.

American Locomotive Co., repairing hoisting engine, etc.	$147.75	
Charles A. Bailey, curbing	476.20	
Barrett Manufacturing Co., "Tarvia"	650.00	
Besse-Eldridge Co., gloves	.42	
Boston & Maine Railroad, freight	228.30	
Harold L. Bond Co., hose and couplings	91.00	
Buffalo Steam Roller Co., 1 steam roller, complete	3,500.00	
Buffalo Steam Roller Co., supplies	72.15	
Concord Foundry & Machine Co., castings	408.83	
James F. Cavanaugh, labor on highways	9,823.56	
F. P. Collins, services as timekeeper	20.00	
Drew Machinery Agency, labor	6.50	
Frank A. Gay, engineering	162.20	
B. F. Greer, lumber	389.99	
Good Roads Machinery Co., supplies	524.05	
Head & Dowst Co., lumber and guide boards,	12.51	
W. F. Head & Son, brick	276.32	
J. Hodge, signs to order	12.70	
Indian Refining Co., liquid asphalt binder	273.78	
Ingersoll-Sergeant Drill Co., supplies	21.94	
Jakob Jarko, 21¾ days' time, due to accident	38.06	
Lidgerwood Manufacturing Co., engine supplies	8.05	
Manchester Traction, Light & Power Co., electricity, for stone crusher	227.43	
C. F. McCarty, painting guide boards	8.00	
John J. McAllister, Jr., city yard inspector	91.80	
A. N. Nettel, gravel	5.00	
H. W. Parker, cement	2,040.00	
H. W. Parker, salt	.70	
Palmer & Garmon, paving blocks	1,241.32	
Pike & Heald Co., pipe, etc.	25.17	
Sacred Heart hospital, board, Jakob Jarko	7.50	
Standard Oil Co., oil	4.90	
S. B. Stearns, insurance premium	141.82	
The Texas Co., kerosene oil	18.03	
Vacuum Oil Co., cylinder oil	59.38	
John B. Varick Co., hardware and tools	688.28	
Water commissioners, use of water	15.00	
West Side Lumber Co., lumber	74.41	
Winchester Stone Co., broken stone	11,555.51	
		$33,348.56
Total expenditures		$67,182.38

Snow and Ice and Cleaning Streets.

Appropriation	$18,000.00	
Transferred from unappropriated money	530.04	
		$18,530.04

Expenditures.

LABOR.

Division No. 2:		
January	$1,717.29	
February	2,941.53	
March	1,317.43	
April	521.76	
May	1,826.66	
June	2,028.71	
July	541.25	
August	873.52	
September	805.13	
October	828.70	
November	861.48	
December	104.99	
		$14,368.45
Division No. 4:		
February		62.66
Division No. 5:		
January	$24.24	
February	42.08	
March	15.12	
		$81.44
Division No. 7:		
January	$273.44	
February	564.14	
March	406.62	
		$1,244.20
Division No. 10:		
January	$545.45	
February	1,173.77	
March	547.30	
April	43.62	
November	83.75	
		$2,393.89

SUNDRIES.

A. B. Black, 2 gutter snowplows	$130.00	
Boston & Maine Railroad, freight	7.96	
G. W. Dodge Shoe Co., rubber boots	7.00	

S. P. Dodge Co., rim and spokes	$7.15	
M. E. Kean, M. D., professional services of self, Drs. Lyons and Folsom, for Arthur Coleman	50.00	
H. W. Parker, salt	2.10	
Pike & Heald Co., pipe and couplings	1.14	
Sacred Heart hospital, surgical attendance, A. Coleman	10.00	
H. Thompson, brooms and handles	61.00	
John B. Varick Co., hardware and tools	103.05	
		$379.40
Total expenditures		$18,530.04

Damage of Land Taken for Highways.

Appropriation	$2,000.00

EXPENDITURES.

Harry T. Lord and Samuel J. Lord	$1,900.00
Total expenditures	$1,900.00
Transferred to unappropriated money	100.00
	$2,000.00

Watering Streets.

Appropriation	$10,000.00

EXPENDITURES.

LABOR.

Division No. 2:		
January	$2.50	
February	2.50	
April	84.39	
May	154.67	
June	710.27	
July	1,071.06	
August	1,511.00	
September	861.44	
October	765.83	
November	293.94	
		$5,457.60

Division No. 7:		
May	$18.00	
June	178.00	
July	308.25	
August	293.58	
September	198.00	
October	176.63	
November	20.25	
		$1,192.71
Division No. 10:		
January	$12.50	
February	19.25	
March	7.00	
April	14.25	
May	40.00	
June	175.37	
July	306.50	
August	209.50	
September	225.75	
October	235.50	
November	69.25	
		$1,314.87

SUPPLIES, REPAIRS, ETC.

Boston & Maine Railroad, freight and car service	$9.70	
Alex Champagne, use of trough and water, 1909	3.00	
S. P. Dodge Co., material and labor	29.95	
G. W. Dodge Shoe Co., rubber boots	32.00	
Chandler-Eastman Co., 1 sprinkler, 1 steel tank	575.00	
Indian Refining Co., liquid asphalt	546.75	
Kimball Carriage Co., hose and repairs	2.50	
Kearns & Goldie, repairing boots	4.30	
Manchester Coal & Ice Co., ice	68.74	
Maxwell Ice Co., ice	146.55	
F. F. Osgood, packing	3.15	
Pike & Heald Co., dippers, pipe, repairs	41.04	
Robie Consolidated Concrete Co., mixing liquid asphalt and sand for dust laying	165.91	
John B. Varick Co., hose, varnish, etc	384.89	
West Side Lumber Co., lumber	2.00	
		$2,015.48
Total expenditures		$9,980.66
Transferred to unappropriated money		19.34
		$10,000.00

Paving Streets.

Appropriation		$10,000.00

EXPENDITURES.

LABOR.

Division No. 2:		
April	$66.96	
May	8.25	
July	72.83	
August	237.07	
September	10.38	
October	22.50	
November	115.26	
		$533.25
Division No. 7:		
October		$5.25
Division No. 10:		
April	$8.00	
May	8.37	
June	6.00	
July	58.75	
August	114.49	
September	89.12	
October	125.87	
November	122.37	
		$532.97

SUNDRIES.

Amoskeag Manufacturing Co., cement	$21.88
Barrett Manufacturing Co., "Tarvia"	256.00
Boston & Maine Railroad, freight	94.61
Fitz-Dillingham Co., repairing mixer	1.00
Frost Paint & Manufacturing Co., metal paint	6.75
Manchester Machine Works, repairing concrete mixer	.75
Manchester Street Railway, use of workcar, and paving blocks	141.80
John J. McAllister, Jr., inspecting repairs	34.34
Municipal Engineering & Contracting Co., concrete mixer	1,145.00
H. W. Parker, cement	1,277.57
Palmer & Garmon, paving blocks and curbing	1,124.77
Pike & Heald Co., pipe	.51

Robie Consolidated Concrete Co., repairs....	$1,625.35	
S. B. Stearns, insurance premium.....	23.63	
U. S. Wood Preserving Co., wood paving blocks	3,111.53	
John B. Varick Co., hardware.....	.67	
		$8,866.16
Total expenditures		$9,937.63
Transferred to unappropriated money.....		62.37
		$10,000.00

Macadamizing Streets.

Appropriation		$10,000.00

EXPENDITURES.

LABOR.

Division No. 2:		
July	$24.75	
August	99.74	
December	133.58	
		$258.07
Division No. 10:		
June		$11.00

SUNDRIES.

Amoskeag Manufacturing Co., connecting 2 tank cars	$28.50	
C. A. Bailey, curbing.....	360.05	
Barrett Manufacturing Co., "Tarvia".....	520.00	
L. B. Bodwell & Co., coal.....	496.01	
Boston & Maine Railroad, car service.....	80.00	
James F. Cavanaugh, labor and material, State road	3,878.32	
Fred E. Ellis, balance due on stone, 1909....	14.22	
Palmer & Garmon, curbing.....	134.52	
Standard Oil Co., kerosene oil.....	5.50	
S. B. Stearns, insurance premium.....	47.26	
Winchester Stone Co., stone.....	868.69	
		$6,433.07
Total expenditures		$6,702.14
Transferred to unappropriated money.....		3,297.86
		$10,000.00

Grading for Concrete.

Appropriation	$2,000.00	
Received for labor and material sold	40.00	
Transferred from unappropriated money	4,654.70	
		$6,694.70

EXPENDITURES.

LABOR.

Division No. 2:		
April	$733.55	
May	540.26	
June	256.65	
July	468.06	
August	576.04	
September	815.87	
October	598.21	
November	933.01	
December	.70	
		$4,922.35
Division No. 7:		
April	$11.00	
August	330.73	
		$341.73
Division No. 10:		
May	$3.75	
June	11.00	
July	128.83	
August	327.62	
September	68.75	
October	76.42	
November	149.50	
		$765.87

SUNDRIES.

Palmer & Garmon, stone	$623.14	
John B. Varick Co., hardware	35.61	
A. A. Warren, kerosene oil	6.00	
		$664.75
Total expenditures		$6,694.70

Scavenger Service.

Appropriation	$30,000.00

Expenditures.

LABOR.

Division No. 2:		
January	$781.85	
February	1,334.87	
March	1,078.57	
April	1,162.78	
May	1,151.00	
June	1,286.37	
July	1,071.40	
August	1,273.20	
September	1,020.24	
October	1,038.59	
November	1,301.95	
December	1,108.90	
		$13,609.72
Division No. 7:		
January	$123.37	
February	214.36	
March	188.11	
April	218.74	
May	180.24	
June	163.60	
July	132.98	
August	161.85	
September	127.73	
October	129.48	
November	161.85	
December	133.00	
		$1,935.31
Division No. 10:		
January	$254.18	
February	484.92	
March	373.98	
April	345.11	
May	341.20	
June	429.92	
July	341.96	
August	422.12	
September	344.70	
October	336.58	
November	405.05	
December	340.32	
		$4,420.04

SUNDRIES.

Mrs. W. H. Bickford, contract work	$1,922.64	
Boston & Maine Railroad, freight	32.00	
John B. Clarke Co., printing blanks	15.00	
Frost Paint & Manufacturing Co., paint	13.50	
Levi J. Proctor, inspector	944.97	
Ranno Saddlery Co., harnesses, etc	127.50	
J. Spencer Turner Co., cotton duck	228.75	
John B. Varick Co., rakes and shovels	76.03	
Watson Wagon Co., 4 dump wagons	779.30	
J. Arthur Williams, printing slips	11.25	
		$4,150.94
Total expenditures		$24,116.01
Transferred to unappropriated money		5,883.99
		$30,000.00

Street Sweeping.

Appropriation	$10,000.00

EXPENDITURES.

LABOR.

Division No. 2:		
February	$75.56	
March	367.82	
April	529.16	
May	467.46	
June	734.08	
July	534.61	
August	697.05	
September	528.78	
October	599.25	
November	858.80	
December	119.00	
		$5,511.57
Division No. 10:		
March	$126.10	
April	107.21	
May	611.75	
June	701.73	
July	139.25	

August	$157.50	
September	116.37	
October	127.75	
November	108.75	
December	7.00	
		$2,203.41

SUNDRIES.

Boston & Maine Railroad, freight	$0.83	
William Marcotte Co., belts	2.75	
H. M. Poirier, washing uniforms	42.75	
H. Thompson, refilling sweepers	97.50	
John B. Varick Co., hardware and tools	90.96	
		$234.79
Total expenditures		$7,949.77
Transferred to unappropriated money		2,050.23
		$10,000.00

Bridges.

Appropriation	$8,000.00

EXPENDITURES.

LABOR.

Division No. 2:		
April	$35.32	
May	7.62	
June	135.07	
July	12.96	
September	13.14	
November	1.90	
December	9.00	
		$215.01
Division No. 5:		
April	$1.87	
August	5.25	
November	3.99	
		$11.11
Division No. 7:		
April	$3.50	
November	30.50	
		$34.00
Division No. 9:		
August	$13.75	
November	7.99	
		$21.74

Division No. 10:		
April	$8.00	
May	4.50	
June	9.62	
July	25.12	
August	5.50	
October	15.25	
		$67.99

MATERIAL AND FREIGHT.

Bachelder-Worcester Co., lumber	$564.90	
Boston & Maine Railroad, freight and car service	255.11	
James F. Cavanaugh, lumber	581.67	
Dodge & Barnard, lumber	619.08	
People's Gas-light Co., coal tar	3.50	
John B. Varick Co., iron and nails	17.64	
West Side Lumber Co., plank	18.13	
		$2,060.03
Total expenditures		$2,409.88
Transferred to unappropriated money		5,590.12
		$8,000.00

City Teams.

Appropriation	$12,000.00	
Received for labor and material sold	379.90	
Transferred from unappropriated money	6,249.19	
		$18,629.09

EXPENDITURES.

LABOR.

Division No. 2:		
January	$549.69	
February	1,026.78	
March	874.19	
April	796.29	
May	803.94	
June	683.61	
July	650.66	
August	668.35	
September	511.24	
October	594.02	
November	766.40	
December	369.90	
		$8,295.07

Division No. 10:		
January	$45.00	
February	75.18	
March	71.37	
April	99.24	
May	58.12	
June	65.25	
July	65.50	
August	61.25	
September	47.25	
October	48.12	
November	64.75	
		$701.03

HAY, GRAIN AND STRAW.

Ame & Co	$15.00	
Arthur S. Brown	3,001.28	
John A. Hanson	14.75	
F. H. Masse & Co	908.42	
McQuestion & Lewis	647.13	
		$4,586.58

HARNESS AND REPAIRS.

Oliver Comire	$42.65	
W. L. Comire	169.25	
Ranno Saddlery Co	109.85	
Joseph Vogel & Co	32.25	
		$354.00

HARDWARE AND TOOLS.

John B. Varick Co		$1,086.28

LIVESTOCK AND VETERINARY EXPENSES.

Mrs. W. H. Bickford, 6 hogs	$86.40	
Cavanaugh Bros., 2 horses	600.00	
Cavanaugh Bros., difference in exchange of mules	175.00	
J. S. Golden, V. S., services and medicine	70.00	
F. K. Hubbard, medicines, etc	18.00	
A. J. Precourt, salts	1.00	
		$950.40

FUEL, FREIGHT, LIGHTS, WATER.

L. B. Bodwell & Co., coal	$336.87	
Boston & Maine Railroad, freight	11.42	

Manchester Traction, Light & Power Co., lights at city farm	$58.49	
People's Gas-light Co., gas, city stables	211.64	
Water commissioners, use of water	75.50	
		$693.92

LUMBER, REPAIRS, ETC.

Bachelder-Worcester Co., sawdust	$1.00	
Cavanaugh Bros., lumber, and freight on same	87.46	
S. P. Dodge Co., wheels, yokes, etc	76.57	
A. L. Dyer, leather	1.00	
H. B. Fairbanks, fertilizer	193.80	
Head & Dowst Co., lumber and labor	33.79	
Hubbard Sash & Blind Factory, lumber	10.05	
J. Hodge, window sash	.96	
Pike & Heald Co., pipe, copper tank, etc	25.31	
West Side Lumber Co., lumber and labor	127.88	
		$557.82

SUNDRIES.

Burke Bros., matches, soap, etc	$1.56	
Committee on city farm, rent of land and buildings	1,020.00	
D. F. Cronin, spraying trees, city farm	33.86	
Everett & Bunton, insurance premium	20.00	
Rev. G. A. Guertin, standing grass	50.00	
F. W. Leeman, lining and towelling	7.05	
McKelvie Bros., stove, pipe and grate	24.80	
Frank T. Moore, 3 sets sleds	135.00	
H. W. Parker, salt, soap and oatmeal	18.09	
Red Top Cigar Co., stems	9.00	
Standard Oil Co., oil	3.38	
A. A. Warren, kerosene oil	46.25	
Winchester Tar Disinfectant Co., disinfectant	35.00	
		$1,403.99
Total expenditures		$18,629.09

Repairs of Sewers.

Appropriation	$5,000.00	
Received for labor and material sold	359.25	
Transferred from unappropriated money	71.89	
		$5,431.14

Expenditures.

LABOR.

Division No. 2:		
January	$23.04	
February	187.46	
March	352.22	
April	129.54	
May	172.81	
June	149.05	
July	237.14	
August	286.54	
September	182.84	
October	579.15	
November	638.06	
December	.62	
		$2,938.47
Division No. 7:		
March	$70.00	
October	10.50	
		$80.50
Division No. 10:		
January	$59.50	
February	103.74	
March	28.30	
April	26.25	
May	159.73	
June	200.36	
August	202.59	
September	88.87	
October	9.18	
November	117.24	
		$995.76

MATERIAL, LABOR, ETC.

Charles A. Bailey, curbing	$248.50	
Harold L. Bond Co., hose and couplings	48.20	
Boston & Maine Railroad, freight	12.21	
Concord Foundry & Machine Co., castings	442.85	
W. F. Head & Son, brick	91.38	
Wenry W. Parker, cement and salt	510.70	
Pike & Heald Co., 1 tee	.54	
Sessions Foundry Co., crates for castings	6.67	
John B. Varick Co., hardware	31.16	
A. A. Warren, oil	12.00	
Smith & Johnson, material and labor on pump	12.20	
		$1,416.41
Total expenditures		$5,431.14

New Sewers.

Appropriation	$40,000.00	
Received for labor and material sold	4,467.63	
Transferred from unappropriated money	200.10	
		$44,667.73

Expenditures.

LABOR.

Division No. 2:		
January	$42.59	
March	15.75	
May	73.69	
June	1,719.26	
July	3,111.82	
August	3,150.84	
September	2,724.99	
October	1,520.18	
November	1,392.42	
December	.44	
		$13,751.98
Division No. 7:		
January	$356.86	
February	151.62	
May	23.25	
June	75.50	
July	239.75	
August	726.20	
September	1,050.23	
October	1,026.78	
November	569.46	
		$4,219.65
Division No. 10:		
January	$313.65	
February	16.50	
March	44.68	
April	31.50	
May	13.50	
June	473.55	
July	1,232.50	
August	1,041.36	
September	1,431.83	
October	1,792.43	
November	1,696.74	
		$8,088.24

HARDWARE, SEWER PIPE, ETC.

American Locomotive Co., plates, pins, etc., and labor	$15.50	
Amoskeag Manufacturing Co., felt	1.80	
Harold L. Bond Co., hose and couplings	246.10	
Carson Trench Machine Co., 400 feet cableway	2,135.00	
Concord Foundry & Machine Co., iron castings	1,158.10	
G. W. Dodge Shoe Co., rubber boots	45.00	
Eastern Clay Goods Co., sewer pipe	5,765.26	
Frost Paint & Manufacturing Co., paint	6.75	
Good Roads Machinery Co., supplies	37.71	
Hanscom Construction Co., labor	55.95	
Manchester Machine Works, repairing battery	1.20	
Manchester Hardware Co., forks	18.00	
F. F. Osgood, rubber mittens	2.00	
H. W. Parker, oatmeal and bags	3.25	
Pike & Heald Co., pipe, etc	31.72	
Standard Oil Co., oil	20.94	
W. C. Spear, gasoline	.75	
Smith & Johnson, repairs, pump, and engine	6.70	
Texas Co., gasoline and kerosene oil	48.10	
John B. Varick Co., hardware and tools	1,773.72	
A. A. Warren, kerosene oil and gasoline	18.25	
		$11,391.80

BRICK, CEMENT, LUMBER.

B. F. Greer, lumber	$520.39	
W. F. Head & Son, brick	1,016.54	
H. W. Parker, cement	253.73	
West Side Lumber Co., lumber	860.99	
		$2,651.65

SUNDRIES.

Boston & Maine Railroad, freight	$4,505.17	
John Frain, loss of time due to accident	21.00	
John B. Hall Co., medical supplies	7.35	
F. L. Noyes, repairing barn damaged by blasting	1.23	
S. B. Stearns, insurance premium	23.66	
G. F. Wenzel, labor on pump	6.00	
		$4,564.41
Total expenditures		$44,667.73

Commons.

Appropriation		$4,500.00

EXPENDITURES.

LABOR.

January	$101.27	
February	181.98	
March	115.46	
April	162.26	
May	162.15	
June	220.76	
July	182.87	
August	211.02	
September	171.55	
October	196.01	
November	202.23	
December	22.68	
		$1,930.24
John Seastrom, superintendent		$810.00

ELECTRIC LIGHTS AND WATER.

Manchester Traction, Light & Power Co., electric lights	$33.00	
Water commissioners, use of water	708.69	
		$741.69

SUNDRIES.

Boston & Maine Railroad, freight	$7.20	
W. G. Berry, insurance premium	5.00	
F. J. Bixby, flowers	182.90	
D. F. Cronin, spraying trees	526.38	
H. B. Fairbanks, fertilizer	79.80	
Head & Dowst Co., lumber and labor	6.24	
Manchester Traction, Light & Power Co., supplies	34.32	
J. H. Mendell Co., lumber	20.57	
Pike & Heald Co., pipe, couplings, etc	9.55	
G. W. Spaulding, repairing harness	2.80	
John B. Varick Co., paint, hardware and tools	51.46	
West Side Lumber Co., lumber	18.40	
		$944.62
Total expenditures		$4,426.55
Transferred to unappropriated money		73.45
		$4,500.00

Derryfield Park.

Appropriation	$1,000.00	
Received from observatory	15.50	
		$1,015.50

EXPENDITURES.

LABOR.

January	$50.82	
February	74.83	
March	80.78	
April	39.90	
May	24.84	
June	69.44	
July	153.08	
August	83.61	
September	81.69	
October	87.12	
November	23.73	
December	18.90	
		$788.74

SUNDRIES.

F. J. Bixby, flowers	$38.10	
D. F. Cronin, spraying trees	54.73	
John A. Sheehan, insurance premium	6.00	
John B. Varick Co., hardware and tools	83.54	
Water commissioners, use of water	27.00	
		$209.37
Total expenditures		$998.11
Transferred to unappropriated money		17.39
		$1,015.50

Stark Park.

Appropriation		$2,000.00

EXPENDITURES.

LABOR.

January	$7.14	
February	7.28	
March	14.42	
April	16.17	

May	$120.36	
June	110.34	
July	91.89	
August	169.79	
September	108.92	
October	42.87	
November	122.67	
December	10.92	
		$822.77

SUNDRIES.

F. J. Bixby, flowers	$75.08	
Boston & Maine Railroad, freight	2.00	
D. F. Cronin, spraying trees	33.96	
Pike & Heald Co., hose bibb	1.75	
Steel Protected Concrete Co., bars and frogs,	62.40	
John B. Varick Co., paint and hardware	12.81	
Water commissioners, use of water	12.00	
		$200.00
Total expenditures		$1,022.77
Transferred to new account		977.23
		$2,000.00

Lafayette Park.

Appropriation	$7,000.00	
Transferred from unappropriated money	786.42	
		$7,786.42

EXPENDITURES.

LABOR.

Division No. 2:		
August	$32.06	
September	8.63	
		$40.69
Division No. 10:		
June	$3.50	
July	129.84	
August	1,329.95	
September	1,166.85	
October	249.74	
November	67.25	
		$2,947.13
Peter Groux		$131.10

SUNDRIES.

Boston & Maine Railroad, freight	$0.67	
Brodie Electric & Auto Co., labor on gas engine	1.50	
Samuel Cabot, supplies	27.32	
Concord Foundry & Machine Co., castings	44.00	
Hanscom Construction Co., material and labor	3,685.52	
Manchester Traction, Light & Power Co., batteries and labor	2.00	
Henry W. Parker, cement	336.17	
Wm. H. Perry Co., steel	9.28	
Pike & Heald Co., pipe, etc	6.37	
Standard Oil Co., gasoline	3.95	
Texas Co., gasoline	4.40	
John B. Varick Co., pipe, nails, iron, etc	245.06	
West Side Lumber Co., lumber	301.26	
		$4,667.50
Total expenditures		$7,786.42

Miscellaneous Playgrounds.

Appropriation	$300.00	
Transferred from unappropriated money	176.51	
		$476.51

EXPENDITURES.

LABOR.

Commons:		
April	$5.39	
May	1.75	
June	7.00	
September	8.89	
		$23.03
Division No. 2:		
May	$29.00	
June	32.65	
July	70.66	
August	6.79	
October	1.76	
November	6.10	
		$146.96

SUNDRIES.

Amoskeag Manufacturing Co., rent of land..	$1.00	
Boston & Maine Railroad, freight.....	.70	
Manchester Traction, Light & Power Co., poles and labor	22.88	
J. H. Mendell Co., boards.....	10.40	
Narragansett Machine Co., 1 slide.....	60.00	
F. E. Nelson, pails and shovels.....	1.80	
Robie Consolidated Concrete Co., concrete..	110.00	
John B. Varick Co., nails, wire, etc.....	47.12	
Water commissioners, use of water.....	29.07	
West Side Lumber Co., boards.....	23.55	
		$306.52
Total expenditures		$476.51

City Yard.

Appropriation	$6,000.00

EXPENDITURES.

LABOR.

Division No. 2:		
April	$47.00	
June	31.49	
		$78.49

SUNDRIES.

Amoskeag Manufacturing Co., on account of land.....	$5,000.00
Total expenditures	$5,078.49
Transferred to unappropriated money.....	921.51
	$6,000.00

Brown-Tail and Gypsy Moth.

Appropriation	$6,000.00	
Received for labor and taxes.....	1,080.54	
		$7,080.54

EXPENDITURES.

LABOR.

Division No. 2:	
April	$13.05
D. F. Cronin, contract.....	$5,818.75

INSPECTORS ON PRIVATE AND CONTRACT WORK.

W. E. Blake	$91.65	
John A. Connolly	52.50	
Harry T. George	146.40	
B. F. Hughes	76.20	
F. B. Kimball	110.70	
George Manning	98.40	
John F. Murphy	112.50	
Peter O'Rielly	104.33	
		$792.68

TAX ABATEMENTS.

Frank Bond	$0.25	
G. P. James, estate	.72	
James A. Folsom	.77	
Daniel Fitzgerald	4.50	
Henry Leonard	1.55	
John McDermott	.62	
Normand Smith	.41	
Mrs. Nettie Towle	3.11	
Rufus Wilkinson	.61	
Mrs. Parmelia Webster	5.00	
		$17.54

SUNDRIES.

Boston & Maine Railroad, freight	$7.50	
John B. Clarke Co., printing and advertising,	42.60	
E. H. Chadbourne, stamps and envelopes	66.20	
L. W. Howard, smudge pots	23.00	
Grover Pike, sending out notices	4.78	
Standard Oil Co., petroleum fuel oil	41.47	
Union Publishing Co., advertising	14.82	
John B. Varick Co., arsenate of lead	95.50	
		$295.87

Total expenditures	$6,937.89
Transferred to unappropriated money	142.65
	$7,080.54

Cutting and Trimming Trees.

Appropriation	$1,000.00

EXPENDITURES.

LABOR.

Division No. 2:		
April	$32.65	
May	13.72	
June	53.78	
July	22.64	
August	155.82	
September	93.01	
October	292.91	
November	282.98	
		$947.51

SUNDRIES.

Head & Dowst Co., glass and labor	$4.20	
Hubbard Sash & Blind Factory, repairing blinds	1.04	
J. B. McCrillis & Son, grinding axe	.30	
H. A. Piper, filing saws	1.15	
John B. Varick Co., hardware and tools	21.41	
		$28.10
Total expenditures		$975.61
Transferred to unappropriated money		24.39
		$1,000.00

Playground in Ward 8.

Appropriation	$100.00	
Transferred from unappropriated money	34.80	
		$134.80

EXPENDITURES.

LABOR.

Division No. 2:		
May		$31.19

SUNDRIES.

Manchester Traction, Light & Power Co., poles	$24.50	
Robie Consolidated Concrete Co., concrete	72.83	
John B. Varick Co., nails	1.28	
West Side Lumber Co., squaring poles	5.00	
		$103.61
Total expenditures		$134.80

Lighting Streets.

Appropriation		$64,500 00

EXPENDITURES.

Manchester Traction, Light & Power Co.:		
January	$4,597.62	
February	4,606.19	
March	4,607.15	
April	4,607.15	
May	5,176.62	
June	5,177.95	
July	5,177.95	
August	5,177.95	
September	5,177.95	
October	5,177.95	
November	5,177.95	
December	5,182.57	
	$59,845.00	
Less discount, February	7.51	
		$59,837.49

GAS.

Welsbach Street Lighting Co.:		
January	$609.16	
February	609.16	
March	608.05	
April	947.57	
May	474.37	
		$3,248.31

ARCHES.

Manchester Traction, Light & Power Co.:		
January	$127.50	
February	168.50	
March	127.50	
April	85.50	
May	91.50	
June	69.00	
July	76.50	
August	66.00	
September	69.00	
October	138.00	
November	98.10	
December	100.20	
		$1,217.30
Manchester Traction, Light & Power Co., lamps		$7.16

SUNDRIES.

Boyd Bros., use of team	$5.00	
W. J. Freeman, use of hack	5.00	
Manchester Auto Garage, use of automobile,	5.00	
		$15.00
Total expenditures		$64,325.26
Transferred to unappropriated money		174.74
		$64,500.00

Engineer's Department.

Appropriation	$9,000.00	
Received for labor and material	170.72	
		$9,170.72

EXPENDITURES.

LABOR.

Samuel J. Lord, general engineer	$1,099.92	
Omer G. Coffin	112.00	
Harrie H. Clement	30.60	
Alfred T. Dodge	938.98	
Harold I. Davis	52.50	
Harry B. Dore	276.30	
Glen B. Eastman	466.40	
Mark Farmer	25.17	
Frank A. Gay	59.25	
Harry T. George	78.08	
Charles E. Hammond	156.75	
Harold M. Haskell	606.67	
Edson W. Keith	255.30	
John J. McAllister, Jr	532.10	
Frank L. McAllister	418.25	
Lawrence O'Connor	585.13	
George Prince	10.13	
Royden E. Reed	11.88	
Harry Stevens	96.00	
George W. Wales	1,216.80	
Henry Worthen	796.35	
Horace Wyman	123.47	
Harrie M. Young	774.40	
		$8,722.43

SUPPLIES AND OFFICE EXPENSES.

C. L. Berger & Sons, repairing, cleaning and adjusting instruments	$20.95	
E. M. Bryant & Co., batteries	.50	
Carlton Supply Co., paper	2.45	
John B. Clarke Co., printing 300 reports	45.50	
John B. Clarke Co., binding, etc	9.75	
A. T. Dodge, paid carfare	.90	
Farrell Bros., lamps, shade, bracket, labor	10.93	
Fairbanks Co., molds	48.50	
Frank L. Geiger, 1 punch	2.50	
W. & L. E. Gurley, repairing level, etc	13.65	
Harry Gould, benchmark report	12.00	
Heath's shoe store, rubber boots	4.50	
C. A. Hoitt Co., repairing shade	.40	
Ideal Stamp Co., 1 printing outfit	1.00	
Manchester Hardware Co., tools	.55	
Melvin & Fitts, guides, indexes, clips, etc	27.31	
J. J. McAllister, Jr., cash paid for express, carfares, etc	5.65	
F. H. McArdle, penholders, pencils, inkstands	11.25	
C. F. McCarthy, painting signs	25.70	
New England Telephone & Telegraph Co., use of telephone	26.54	
Pike & Heald Co., 2 tin cases, and repairs	2.15	
E. G. Soltmann, supplies	89.95	
Louis D. Richardson, 1 tape grip	.85	
Remington Typewriter Co., repairing machine	16.74	
Temple & Farrington Co., binding books	2.55	
Technical Supply Co., 1 odometer	4.50	
Joseph Vogel & Co., painting wagon, and repairs	40.00	
John Wiley & Sons, supplies	2.50	
J. Arthur Williams, printing cards, etc	7.75	
		$437.52
Total expenditures		$9,159.95
Transferred to unappropriated money		10.77
		$9,170.72

Health Department.

Appropriation	$20,000.00

Expenditures.

SERVICES.

Gustave Lafontaine, M. D., salary as member of board	$200.00	
W. K. Robbins, salary as member of board,	200.00	
Wm. J. Starr, salary as member of board	200.00	
Wm. B. Blake, sanitary inspector	999.99	
Joseph X. Duval, sanitary inspector	560.25	
John F. Looney, sanitary inspector	999.99	
Carl O. Seaman, plumbing and milk inspector	1,100.04	
M. Alma Fracker, clerk	650.00	
		$4,910.27

PRINTING AND STATIONERY.

John B. Clarke Co., printing	$290.80	
W. P. Goodman, books and stationery	10.16	
Frank F. Lisiecki, printing cards in English, French, German, Swedish, Greek, and Polish	27.50	
L'Avenir National, printing cards	15.00	
E. A. Stratton Co., tags	4.50	
		$347.96

TEAMS AND CARFARES.

W. B. Blake	$25.85	
Lester W. Brooks	2.00	
Edward L. Bohan	10.00	
Charles Boisclair	2.00	
Burke & French	2.00	
Joseph X. Duval	6.85	
J. D. French	71.00	
W. J. Freeman	46.00	
H. H. Lamoureux	2.00	
E. G. Libbey	6.00	
John F. Looney	22.30	
Roy & Gadbois	14.00	
Carl O. Seaman	25.50	
		$235.50

OFFICE EXPENSES AND SUPPLIES.

American Express Co., express charges	$15.53	
W. B. Blake, oil, keys, rubber tubing	.80	
Bausch & Lomb Optical Co., laboratory supplies	39.92	

E. M. Bryant & Co., electric material and labor	$31.33	
Carter, Rice & Co., gummed paper	22.50	
Herbert Dunnington, antitoxin, etc	647.16	
Eastern Drug Co., peroxide hydrogen	5.75	
Eimer & Amend, refractometer immersion and chemical apparatus	115.00	
M. A. Fracker, cash paid for laundry, postage, express, freight, etc	41.65	
L. M. Folsom, crash	1.50	
A. L. Franks & Co., electric supplies, and labor	6.86	
Granite State Rubber Co., bands and tubing,	1.00	
Peter Gray & Sons, milk collecting outfit	30.75	
John B. Hall Co., antitoxin	13.34	
C. A. Hoitt Co., folding chairs	5.10	
International Instrument Co., milk-test supplies	73.75	
Leblanc & Provencher, antitoxin	3.33	
J. F. Looney, registered letter	.10	
Manchester Coal & Ice Co., ice	20.82	
Manchester Hardware Co., paint and varnish	3.37	
Manchester Traction, Light & Power Co., tops for stoves, lights, and repairs	6.30	
Manseau & Grimard, copper and labor	1.50	
J. A. Marshall, antitoxin	5.00	
Melvin & Fitts, cabinets and supplies	76.35	
F. H. McArdle, inkwell, and pencils	2.00	
New England Telephone & Telegraph Co., use of telephones	85.67	
People's Gas-light Co., gas	10.01	
J. H. Rhodes, formaldehyde sprinkler, etc	5.30	
C. O. Seaman, expenses to Boston and Concord, and supplies for laboratory	15.44	
Schieffelin & Co., formaldehyde	139.60	
James A. Scully, desk and chair	16.00	
H. G. Seaman, lumber, hardware, labor	48.91	
John B. Varick Co., alcohol, matches, rope, etc.	70.43	
John B. Varick Co., 1 safe	85.00	
Walsh & Cummings, antitoxin and supplies,	1,141.27	
N. J. Whalen, 2 leather bags	9.00	
		$2,797.34

PEST HOUSE.

Adams Bros., lime and cement	$16.25	
W. E. Dunbar & Sons, coal and wood	12.25	

F. D. Leighton, heating, per contract.....	$266.00	
F. D. Leighton, supplies.....	44.15	
Manchester Traction, Light & Power Co., electric lights	12.00	
John Muir, lumber.....	12.56	
New England Telephone & Telegraph Co., telephone service	25.00	
A. D. Sherer, labor.....	17.50	
Mrs. A. D. Sherer, services as matron.....	360.00	
Maurice Watson, M. D., visits and vaccinations	1,030.75	
Water commissioners, use of water.....	7.52	
		$1,803.98

ISOLATION HOSPITAL.

W. B. Blake, repairs.....	$0.40
E. M. Bryant & Co., batteries, lamps, labor..	7.29
John Bryson, setting glass.....	3.50
Connor Bros., plumbing repairs.....	2.75
C. DeMoulpied & Co., glasses.....	1.00
Herbert E. Dunnington, medicine and supplies	53.42
J. H. DeCourcy Co., coal and wood.....	217.44
C. A. & A. W. Flint, wood.....	23.00
Mrs. Selma Flodin, services as matron.....	300.00
Mrs. Selma Flodin, board, sundry persons...	1,120.26
C. M. Floyd, shirts.....	6.00
L. M. Folsom, blankets, sheets, robes, crash, etc.	104.95
Granite State Rubber Co., rubber sheeting..	12.70
C. J. & L. C. Greer, material and labor, laying pipe and repairs.....	34.38
Hubbard Sash & Blind Factory, repairs.....	1.25
C. A. Hoitt Co., crockery, ice chests and pans	12.30
Hamilton Manufacturing Co., bleached cloth,	24.00
James W. Hill Co., oilcloth, gowns, spreads,	7.88
Knight & Thomas, Inc., 6 fire extinguishers,	76.95
F. D. Leighton, labor.....	5.05
Manchester Traction, Light & Power Co., electric lights	91.30
Manchester Hardware Co., wire cloth.....	.56
Manchester Coal & Ice Co., ice.....	32.56
C. F. McDonald, plumbing repairs, etc.....	5.12
New England Telephone & Telegraph Co., use of telephone.....	73.55

F. E. Nelson, crockery and glassware.....	$21.50	
Norbert Sign Co., 1 sign.....	36.00	
John H. Stevens, installing hot water boiler,	225.00	
A. D. Sherer, paint and labor.....	92.10	
A. G. Straw, M. D., diphtheria examinations,	22.50	
E. V. Turcotte estate, coal and wood.....	206.50	
John B. Varick Co., mop filling and brooms,	3.50	
Water commissioners, use of water.....	53.25	
John R. Willis & Co., wood.....	33.00	
		$2,910.96

NURSES AT ISOLATION HOSPITAL.

Jessie Bailey	$24.00	
Mary Cronin	123.00	
Katherine M. Crozier	18.00	
Carrie M. Joyce	39.00	
Mary V. Lee	684.00	
Zepherine Lupien	18.00	
Katherine V. Martin.....	270.00	
Annie Mitchell	30.00	
Rebecca C. O'Dwyer.....	78.00	
Jennie J. Stevenson.....	132.00	
Robina Thompson	210.00	
Diana Tousignant	18.00	
Mary L. Varney	330.00	
		$1,974.00

SUPPLIES FOR ISOLATED FAMILIES.

C. A. & A. W. Flint, wood.....	$1.50	
A. D. Lemay, groceries.....	5.39	
E. W. Lewis, groceries.....	12.02	
C. E. Lessard, wood.....	2.00	
Benjamin J. Mack, wood.....	2.00	
A. F. Precourt, medicine.....	1.35	
Edmond Pinard, groceries.....	8.05	
K. R. Tennant, groceries.....	6.54	
		$38.85

MEDICAL INSPECTORS.

Clarence O. Coburn, M. D.....	$160.00	
Noel E. Guillet, M. D.....	160.00	
Ulric Lafontaine, M. D.....	160.00	
Wm. H. Lyons, M. D.....	160.00	
John C. O'Connor, M. D.....	160.00	
Zatae L. Straw, M. D.....	160.00	
		$960.00

SUNDRIES.

W. B. Blake, milk samples, and burying animals	$3.46	
Joseph X. Duval, milk samples, and burying animal	6.50	
Michal Jasinski, burial outfit	10.00	
J. F. Looney, cream and milk samples, and burying animals	36.42	
F. M. Ray, removing and burying dead horses	9.00	
		$65.38
Total expenditures		$16,044.24
Transferred to unappropriated money		3,955.76
		$20,000.00

City Library.

Appropriation	$9,000.00

EXPENDITURES.

LIBRARIAN AND ASSISTANTS.

F. Mabel Winchell, librarian	$833.34	
Sarah C. Aiken	102.00	
Ruth Bartlett	371.25	
Florence Butterick	35.00	
Eugene S. Clark	136.48	
Caroline B. Clement	385.00	
Edith O. Emery	514.50	
Margaret I. Grant	132.75	
Carlton Hamer	168.50	
Arthur R. Leavitt	80.35	
Charles S. Morgan	77.50	
Louise E. Newell	550.00	
Albro P. Reed	80.00	
Una Vincent	272.75	
		$3,739.42

SUPPLIES.

F. A. Burnham, bookcase	$8.00
John B. Clarke Co., printing reports	16.10
John B. Clarke Co., advertising	.25
Gaylord Bros., binders, etc	9.65
Charles A. Hoitt Co., linoleum and desk	76.46

Library Bureau, binders, book, guides, etc..	$36.60	
Manchester Coal & Ice Co., ice.....	5.25	
Melvin & Fitts, stationery.....	2.37	
Temple & Farrington Co., cards.....	4.25	
Temple & Farrington Co., binding and rebinding books.....	550.34	
John B. Varick Co., supplies.....	32.25	
F. M. Winchell, paid for cards.....	20.00	
J. A. Williams, printing and paper.....	33.70	
		$795.22

FUEL, INSURANCE, LIGHTS, TELEPHONE, WATER.

Clarence M. Edgerly, insurance premium....	$125.00	
Manchester Traction, Light & Power Co., electric lights	381.92	
Maxwell Ice Co., wood.....	14.00	
Moore & Preston Coal Co.....	538.24	
New England Telephone & Telegraph Co., use of telephone.....	54.00	
People's Gas-light Co., gas.....	21.23	
Water commissioners, use of water.....	13.63	
		$1,148.02

NEW BOOKS, PAPERS, MAGAZINES.

Chivers Book Binding Co., Inc.....	$23.10	
Committee on Andover Town History.....	3.00	
Thomas J. Donlan	20.31	
Herman Goldberger	372.31	
Caroline L. Himebaugh.....	16.35	
H. R. Huntting Co., Inc.....	40.81	
A. J. Huston.....	1.28	
The King-Richardson Co.....	20.00	
C. F. Libbie & Co.....	26.23	
Robert W. Lull.....	17.00	
The Schoenhof Book Co.....	6.99	
Sampson & Murdock Co.....	3.00	
G. E. Stechert & Co.....	63.33	
T. P. W. Rogers.....	15.20	
Trustees of library.....	2,000.00	
H. C. White Co.....	33.34	
H. W. Wilson Co.....	24.80	
		$2,687.05

SUNDRIES.

G. B. Cressey, paint and labor.....	$6.17	
S. P. Dodge Co., repairing chairs.....	14.70	

Farrell Bros., electric supplies and labor...	$3.92	
Mrs. Kate Hussey, cleaning.....	54.20	
Gustave Hecker, janitor.....	480.00	
J. H. Mendell Co., painting counter and tables	4.71	
John J. McAllister, Jr., weighing coal.....	5.78	
James W. Robinson, janitor.....	60.50	
		$629.98
Total expenditures		$8,999.69
Transferred to unappropriated money.....		.31
		$9,000.00

Fire Department.

Appropriation	$102,475.00	
Appropriation by resolution, August 29.....	1,600.00	
		$104,075.00

EXPENDITURES.

SERVICES.

Thomas W. Lane, chief engineer.....	$1,625.00	
George H. Hammond, assistant engineer....	256.21	
Thomas F. Fitzsimmons, assistant engineer,	256.21	
Edwin W. Merrill, clerk and assistant engineer	331.28	
Arthur Provost, assistant engineer.....	256.21	
		$2,724.91

TEAMSTERS' AND ENGINEERS' PAY-ROLL.

January	$3,438.50	
February	3,510.25	
March	3,512.50	
April	3,524.25	
May	3,524.25	
June	3,522.50	
July	3,524.25	
August	3,433.25	
September	3,480.75	
October	4,263.69	
November	4,232.42	
December	4,183.18	
		$44,149.79

CALL MEMBERS.

Engine Company No. 1	$1,496.75	
Engine Company No. 2	1,463.00	
Engine & Ladder Company No. 3	2,385.50	
Engine Company No. 4	1,623.00	
Engine & Ladder Company No. 5	2,385.50	
Engine & Ladder Company No. 6	2,385.50	
Engine Company No. 7	1,460.50	
Chemical Engine Company No. 1	326.50	
Combination Company No. 2	1,121.75	
Aerial Truck Company No. 1	1,769.25	
Hose Company No. 1	1,429.25	
Hose Company No. 2	1,415.50	
Hose Company No. 3	965.50	
		$20,227.50

OTHER LABOR.

J. N. Brown	$264.83	
C. U. Bean	14.88	
Clarence J. Dolloff	75.25	
James Filleul	37.45	
W. G. Fraser	37.45	
Alonzo Goodrich	77.00	
Wilbur M. Gilman	47.25	
Percy L. Nute	373.63	
Archie Miller	49.00	
Louis Ross	133.75	
Celon D. Stevens	185.51	
Raymond Taylor	281.75	
		$1,577.75

LAUNDRY.

Gould & Laraba	$21.85	
Henry Lang	20.58	
Mrs. Marion Laird	47.50	
N. H. Towel Supply Co	39.00	
New Method Steam Laundry	4.60	
Oneeda Laundry	122.43	
Margaret Power	9.00	
Emma Z. Smith	1.80	
H. L. Tebbetts	14.80	
		$281.56

FURNITURE AND BEDDING.

C. DeMoulpied & Co., furniture and bedding,	$496.03	
Joseph H. Gould, bedstead and bedding	12.00	
James W. Hill Co., sheets, slips, puffs	65.94	
James A. Scully, furniture and bedding	49.48	
		$623.45

PRINTING AND STATIONERY.

John B. Clarke Co., printing envelopes, note-heads, etc.	$111.50	
John B. Clarke Co., department reports	45.26	
W. P. Goodman, stationery	21.04	
Ideal Stamp Co., stamps	1.75	
Temple & Farrington Co., books, stationery, and cabinet	10.00	
Melvin & Fitts, stationery	.62	
		$190.17

FUEL, LIGHTS, TELEPHONE, WATER.

L. B. Bodwell & Co., coal and wood	$599.52	
Fletcher Brown, wood	16.50	
C. A. & A. W. Flint, wood	42.00	
Manchester Traction, Light & Power Co., electric lights	254.53	
Maxwell Ice Co., wood	8.00	
Moore & Preston Coal Co., coal and wood	2,186.31	
New England Telephone & Telegraph Co., use of telephone	70.25	
People's Gas-light Co., gas	595.43	
Water commissioners, use of water	325.01	
		$4,097.55

SUPPLIES.

American Locomotive Co., suction hose	$50.00	
Amoskeag Manufacturing Co., castings	18.76	
C. G. Braxmar Co., 2 badges	1.00	
Boston Belting Co., valves, hose washers	9.93	
Cornelius Callahan Co., soda, sponge, coats, ladders, hose relined, etc.	2,163.27	
Joel Daniels, lettering sign	.75	
Diamond Rubber Co., wheels and wire	15.00	
D. W. Diggs, service bottles	2.50	
Fellows & Son, sawdust	2.10	
Fitz-Dillingham Co., gasoline	15.98	
Frank E. Fitts Manufacturing & Supply Co., waste	31.30	
Globe Manufacturing Co., coats	75.00	
Granite State Rubber Co., tubing	1.50	
Hadlock's Garage, gasoline, batteries, etc.	9.95	
John D. Healy, castings	26.55	
J. Hodge, lumber	8.69	
Knox Automobile Co., casing tube and rim,	100.00	
Knox Automobile Co., 1 No. 3938 fire-wagon,	5,500.00	

Knox Automobile Co., supplies	$5.95	
F. T. Lord Polish Co., polish	30.00	
Manchester Independent Oil Co., gasoline and kerosene oil	2.95	
Manchester Traction, Light & Power Co., switches and base	1.95	
Andrew J. Morse & Son, nozzles	172.67	
F. F. Osgood, leather	1.00	
Parnell Bros., soap	22.80	
C. N. Perkins Co., extinguisher head and bottles	13.50	
Pike & Heald Co., iron, washers, brush	6.44	
Stewart & Pownall, automatic switch	20.00	
Somerville Brush Co., dusters	10.00	
John H. Stevens, flue cleaners, etc	3.75	
C. D. Steele & Co	6.05	
Swift & Co., cleanser	6.00	
Talbot Dyewood & Chemical Co., oil vitriol,	35.75	
John B. Varick Co., hardware	740.62	
John B. Varick Co., hose	5,330.00	
A. A. Warren, oil	61.54	
Western Electric Co., supplies	198.05	
West Side Lumber Co., lumber and sawdust,	17.42	
		$14,718.72

REPAIRS, ETC.

W. L. Aller & Co., caning chairs	$3.00	
Barton Company, repairing awning	3.75	
E. M. Bryant & Co., 10 taplets	2.50	
Connor Bros., plumbing repairs	35.12	
The Fisk Rubber Co., repairing case	3.00	
A. L. Franks & Co., electric supplies and labor	52.16	
John T. Gallagher, steam piping	20.00	
Head & Dowst Co., lumber and labor	21.23	
J. Hodge, lumber and labor	28.22	
H. J. Lawson, repairs	4.00	
Manchester Supply Co., nickel-plating and pipe covering	4.44	
Gardiner E. Marston, pipe	3.11	
Newton & Way, labor on cellar pipes	6.75	
Edward Sargent, repairing lock	1.50	
Stevens & Bradley, labor on cellar pipe	3.80	
C. A. Trefethen, repairing clock	1.75	
Tubeless Iron Co., plating pole tip	.60	
		$194.93

HORSES, VETERINARY SERVICES AND MEDICINE.

F. T. Arbuckle, V. S., services and medicine,	$191.30	
Cavanaugh Bros., horses	2,061.68	
Cavanaugh Bros., use of horse	16.50	
F. J. Clark, V. S., fixing teeth, medicine, etc.,	30.75	
Mrs. A. L. Dodge, disinfectant	5.00	
Dyer & Chipman, medicine, etc	19.75	
J. J. Holland, medicine	46.90	
Manchester Tea Co., flour	.20	
Sabin Noury, hoof ointment	1.00	
A. J. Precourt, bottles	.25	
Sanitas Co., disinfectant	24.50	
A. D. Smith, medicine	5.70	
Walsh & Cummings, supplies	8.47	
		$2,412.00

CARRIAGE AND ENGINE REPAIRS.

American Locomotive Co	$118.30	
International Power Co	9.53	
Manchester Machine Works	30.45	
J. B. McCrillis & Son	1,217.75	
James Murphy	4.00	
James C. Newton	1.25	
Sanborn Carriage Co	83.20	
		$1,464.48

BLACKSMITHING.

Connor & Grossman	$84.90	
H. J. Dexter	113.05	
Edward Dupont	137.75	
J. F. McDonald & Co	486.80	
McDonald Brothers	480.93	
John Stack	74.75	
J. O. & L. P. Tremblay	254.75	
G. F. Wenzel	100.30	
		$1,733.23

HAY, GRAIN, ETC.

Adams Bros	$1,978.29	
Arthur S. Brown	4,624.68	
F. H. Masse & Co	1,195.87	
C. R. Merrill	83.88	
Charles S. Fifield	797.58	
		$8,680.30

HARNESS SUPPLIES AND REPAIRS.

Charles E. Berry	$22.50	
Frank Casavant	130.50	
W. L. Comire	4.00	
G. W. Spaulding	3.00	
Ranno Saddlery Co	17.25	
J. Vogel & Co	25.45	
N. J. Whalen	50.45	
		$253.15

SUNDRIES.

Boston & Maine Railroad, freight on hose	$4.56	
Henry Burns, labor	2.50	
R. J. Barry, expenses to Canton, Mass., inspecting hose	5.00	
C. B. Clarkson, weighing coal	20.00	
Paul A. Claus, fare and board, Springfield, Mass., account automobile fire apparatus	26.46	
Mary D. Eldridge, typewriting rules and reglations	24.05	
A. M. Finney, renovating pillows	1.30	
Hadlock's Garage, use of automobile	25.00	
E. H. Holmes, freight and cartage	9.19	
S. J. LaFlamme, lunch, brush fire	3.50	
S. J. LaFlamme, dinners, I. O. O. F. block fire	15.00	
T. W. Lane, expenses, Canton, Mass., to inspect	3.96	
T. W. Lane, expenses, Syracuse, N. Y., International Association Chief Engineers	43.96	
T. W. Lane, express, cartage, postage	35.03	
John J. McAllister, Jr., weighing coal	5.78	
Henry Stein, hay and grain for horses and lunch for men at forest fire	1.50	
Edward C. Smith, expenses of mayor, Chief Lane, committee on fire department, and city clerk to Lowell and Boston, inspecting chemical automobile	34.40	
Edward C. Smith, telephone charges	.45	
		$261.64

Total expenditures	$103,591.13
Transferred to unappropriated money	483.87
	$104,075.00

Fire-Alarm Telegraph.

Appropriation		$4,000.00

EXPENDITURES.

LABOR.

January	$165.00	
February	165.00	
March	165.00	
April	165.00	
May	165.00	
June	165.00	
July	165.00	
August	165.00	
September	165.00	
October	165.00	
November	165.00	
December	165.00	
		$1,980.00
Louis Loiselle		$402.50

SUPPLIES, ETC.

American Electrical Works, wire	$412.39	
John B. Clarke Co., printing	24.00	
Gamewell Fire-alarm Telegraph Co., supplies	304.26	
F. S. Hardy & Co., electric supplies	14.07	
J. Hodge, arms	250.08	
Manchester Supply Co., nickel-plating	4.40	
Pike & Heald Co., solder, acid, tube	.30	
Powell & Clarkson, lumber and labor	5.55	
Sanborn Carriage Co., irons	.40	
Stevens & Bradley, gasoline	.25	
John H. Stevens, pipe, valves, etc., and labor,	46.82	
Stuart-Howland Co., supplies	42.61	
John B. Varick Co., hardware, etc	64.07	
Western Electric Co., supplies	82.83	
C. L. Wolf, pipe	1.31	
		$1,253.34

SUNDRIES.

E. H. Holmes, freight and cartage	$6.77	
Manchester Traction, Light & Power Co., electricity	61.22	

New England Telephone & Telegraph Co., use of telephone	$23.92	
		$91.91
Total expenditures		$3,727.75
Transferred to unappropriated money		272.25
		$4,000.00

Hydrant Service.

Appropriation	$22,025.00

EXPENDITURES.

Water commissioners, hydrant rentals	$22,025.00

Police Department.—Commission.

Appropriation	$68,000.00

EXPENDITURES.

SERVICES.

Michael J. Healy, chief of police	$3,000.00	
John F. Cassidy, deputy chief	1,800.00	
John F. Griffin	999.10	
Edward B. Woodbury, chairman of commission, salary	150.00	
Peter A. Farrell, commissioner	100.00	
Thomas R. Varick, commissioner	100.00	
A. B. Brown, police matron	425.00	
Regular and special police	53,536.85	
		$60,110.95

FEEDING PRISONERS.

Jordan Restaurant Co	$57.45	
E. R. LaFlamme	118.72	
National Biscuit Co	62.89	
		$239.06

PRINTING AND STATIONERY.

John B. Clarke Co., printing	$153.95	
John B. Clarke Co., binding	2.50	
W. P. Goodman, books and stationery	80.20	
Melvin & Fitts, stationery	9.55	
Temple & Farrington Co., books	7.75	
		$253.95

PATROL SYSTEM EXPENSES.

Ame & Co., "Standard Food"	$16.25
Automatic Time Stamp Co., dial and ribbons	6.50
American Steel & Wire Co., wire	20.78
Adams Bros., hay, grain and straw	240.58
Boston & Maine Railroad, freight	10.96
Boyd Bros., clipping horse	2.00
Arthur S. Brown, hay and grain	247.61
E. M. Bryant & Co., batteries	3.00
Geo. H. Buckminster Co., wire and batteries	43.25
James Baldwin Co., pins	3.00
E. L. Bohan, horsehire	9.00
Couch & Seeley Co., telephone supplies	15.75
Columbia Refining Co., "Amberzo"	14.38
S. P. Dodge Co., carriage repairs	31.00
H. B. Dunton, V. S., fixing teeth	6.00
Electric Specialty Manufacturing Co., 1 Bishton howler	5.00
Wm. Freeman, horsehire	3.00
Granite State Rubber Co., tubing	1.08
Henry Goudreault, 6 rods	1.00
Abraham Green, rent of shed	60.00
Hadlock's Garage, 3 motorcycles	755.90
Hadlock's Garage, supplies and repairs	190.81
James Harlan, labor on wires	65.00
Head & Dowst Co., lumber and labor	5.25
Hendee Manufacturing Co., motorcycle supplies	178.42
W. S. Holt & Son, waste	9.78
C. A. Hoitt Co., basket	4.50
J. Hodge, lumber	8.16
Martin Joyce, labor on wires	26.00
Charles Kean, labor on wires	30.00
Kimball Carriage Co., repairing and painting patrol wagon	75.00
Kimball Carriage Co., hooks, etc	1.50

E. J. Letendre, V. S., services	$2.00	
Manchester Traction, Light & Power Co., poles	18.00	
Patrick Martin, labor on wires	18.00	
Maxwell Ice Co., ice	14.00	
C. R. Merrill, hay and grain	23.20	
Mitchell Manufacturing Co., plating badges,	15.50	
Thomas Mooney, labor on wires	7.50	
Mountain State Electrical Co., brackets	9.66	
Neostyle Co., paper and ink	80.80	
Frederick Pearce Co., signal supplies	759.73	
Charles E. Perry Co., register paper	43.29	
Sanborn Carriage Co., repairing wagon	21.70	
Stromberg-Carlson Telephone Mfg. Co., supplies	1.66	
J. O. & L. P. Tremblay, horseshoeing	109.25	
Universal Specialty Co., insulators	16.80	
United Electric & Apparatus Co., supplies	531.60	
Warner Instrument Co., clamps	5.00	
Arthur A. Warren, gasoline	69.70	
Western Electric Co., supplies	206.35	
N. J. Whalen, harness and repairs	40.70	
E. C. Wheeler, carrots	24.82	
		$4,109.72

HARDWARE AND REPAIRS.

Joel Daniels, varnish and labor	$11.25	
J. S. Dyer, repairing motorcycles	7.75	
Peter Harris & Son, repairing locks and handcuffs	12.00	
Head & Dowst Co., lumber	2.90	
J. Hodge, lumber	8.59	
Manchester Hardware Co	6.95	
Metropolitan Air Goods Co., repairing mattress	1.50	
John H. Stevens, soldering motorcycle tanks	1.40	
John B. Varick Co., handcuffs, billies, revolvers, hardware	388.07	
		$440.41

TELEPHONE AND TELEGRAPH.

New England Telephone & Telegraph Co., use of telephones	$151.19	
Western Union Telegraph Co., telegrams	3.36	
Western Union Telegraph Co., clock rental	12.00	
		$166.55

SUNDRIES.

W. J. Freeman, horsehire	$4.00	
Abraham Green, services as interpreter	10.00	
Nellie Hardy, caring for lost children	25.00	
John B. Hall Co., medical and surgical supplies	30.30	
W. S. Holt & Son, waste	2.50	
J. J. Holland, medicine, etc	18.95	
Edgar S. Leslie, photographing criminals	18.00	
John F. Parker, detective services	112.50	
Walsh & Cummings, cotton	.35	
Worrell Manufacturing Co., insect exterminator	19.05	
		$240.65
Total expenditures		$65,561.29
Transferred to unappropriated money		2,438.71
		$68,000.00

Police Department.—Station.

Appropriation	$3,000.00

EXPENDITURES.

SERVICES.

Frank P. Wiggin, janitor		$821.25

FUEL, LIGHTS, WATER.

Manchester Traction, Light & Power Co., electric lights	$382.81	
Maxwell Ice Co., wood	52.75	
Moore & Preston Coal Co., coal	836.55	
People's Gas-light Co., gas	86.57	
Water commissioners, use of water	272.78	
		$1,631.46

LAUNDRY, ETC.

Daniels-Cornell Co., soap	$2.85	
F. W. Leeman, crash, sheets, towels	20.46	
Mrs. J. F. Wiggin, laundry work	43.98	
		$67.29

REPAIRS, ETC.

J. J. Abbott, glass	$4.91	
C. W. Anderson & Co., repairing clocks	8.50	
E. M. Bryant & Co., electric supplies and repairs	10.18	
Napoleon Daigle, oil	.60	
A. M. Finney, reseating chairs	3.00	
A. L. Franks & Co., 1 lamp	3.00	
Peter Harris & Son, repairing oiler, etc	1.75	
C. A. Hoitt Co., repairing chair	.50	
Manchester Traction, Light & Power Co., lamps	2.85	
J. J. Moreau & Son, material and labor	4.05	
People's Gas-light Co., supplies	1.00	
Stevens & Bradley, repairing gas fixture	.50	
John H. Stevens, 1 plunger	1.00	
John B. Varick Co., paper, paint, hardware,	15.69	
		$57.53

SUNDRIES.

C. B. Clarkson, weighing coal	$7.50	
J. J. Holland, supplies	43.61	
Maxwell Ice Co., ice	8.26	
		$59.37
Total expenditures		$2,636.90
Transferred to unappropriated money		363.10
		$3,000.00

Police Department.—Court.

Appropriation	$2,900.00

EXPENDITURES.

SERVICES.

Isaac L. Heath, police justice	$966.66	
Harry E. Loveren, police justice	533.34	
Harry E. Loveren, associate justice	193.33	
Frank C. Livingston, associate justice	75.00	
John C. Bickford, clerk	600.00	
		$2,368.33

SUNDRIES.

John B. Clarke Co., printing docket.....	$9.00	
M. J. Healy, paid witness fees.....	329.73	
The Globe-Wernicke Co., cabinet and guides,	8.46	
New England Telephone & Telegraph Co., use of telephone.....	54.00	
E. A. Stratton Co., printing dockets.....	74.50	
Temple & Farrington Co., stationery.....	1.15	
J. A. Williams, printing.....	20.75	
		$497.59
Total expenditures		$2,865.92
Transferred to unappropriated money.....		34.08
		$2,900.00

Repairs of Buildings.

Appropriation	$9,500.00	
Appropriation by resolution, August 29.....	1,500.00	
		$11,000.00

EXPENDITURES.

CITY LIBRARY.

E. M. Bryant & Co., electric supplies and labor	$82.65	
Fischer & Co., roofing material and labor...	366.36	
Herman Fischer, lumber and labor.....	45.36	
W. E. Goodwin, plumbing repairs.....	29.93	
James H. Griffin, labor and team.....	74.25	
G. H. Hammond, door and labor.....	7.10	
Elmer E. Reed, mason work.....	34.50	
Robie Consolidated Concrete Co., cement coating basement	65.00	
Savage Bros., paint and labor.....	880.58	
John H. Stevens, installing temporary boiler, etc.	91.05	
		$1,676.78

POLICE STATION.

Bisson & Jodoin, plumbing.....	$18.04	
E. M. Bryant & Co., electric supplies and labor	104.88	
John J. Connor & Bro., plumbing repairs..	6.80	

Herman Fischer, lumber and labor.....	$294.70	
Fischer & Co., steel ceiling, shields, plumbing and labor.....	525.46	
Manchester Hardware Co., paint, shellac, etc.	2.40	
J. J. Moreau & Son, roofing tar.....	4.74	
Robie Consolidated Concrete Co., concrete..	40.22	
Elmer E. Reed, mason work.....	19.59	
Savage Bros., paint and labor.....	735.14	
Edward Sargent, repairing locks.....	2.15	
C. L. Wolf, storm lantern, grate and labor...	17.90	
		$1,772.02

ENGINE HOUSES.

Alfred Bourque, lumber and labor.....	$93.26	
T. J. Briggs, repairing boilers, etc.....	261.68	
E. M. Bryant & Co., 3 brackets.....	1.25	
Bunton & Bernard, labor and material.....	183.01	
Connor Bros., plumbing repairs.....	50.05	
G. B. Cressey, paint and labor.....	14.80	
Derryfield Co., windows.....	23.00	
Herman Fischer, material and labor.....	485.86	
Fischer & Co., material and labor.....	85.38	
A. L. Franks & Co., electric material and labor	128.01	
I. Gagne Co., labor and material.....	26.00	
W. E. Goodwin, plumbing and heating repairs	28.10	
John T. Gott, cleaning stone.....	50.00	
G. H. Hammond, labor and material.....	24.02	
Horsfall & Campbell, plumbing.....	11.27	
Hubbard Sash & Blind Factory, lumber.....	8.58	
Karl Katchner Estate, putting up flagpole..	16.00	
F. D. Leighton, plumbing and gas repairs...	377.03	
C. F. McDonald, plumbing repairs.....	13.30	
Manchester Hardware Co., screen and tacks	2.39	
F. L. Noyes, repairing roof.....	2.60	
M. J. O'Connor, paint and labor.....	686.34	
People's Gas-light Co., 2 water heaters.....	185.00	
C. O. Polson, paint and labor.....	60.75	
Elmer E. Reed, mason work.....	29.95	
Godard Rouleau, labor.....	10.50	
Robie Consolidated Concrete Co., concrete...	450.65	
Savage Bros., glass, paper, and hanging same	173.85	
R. O. Schmidt, carpenter work and material,	1,033.90	

John H. Stevens, packing, etc.....	$2.50	
John B. Varick Co., paint and hardware....	11.40	
West Side Lumber Co., lumber and labor...	11.14	
L. B. Wilson, erecting metal ceiling.....	55.00	
G. F. Wenzel, blacksmithing.....	16.25	
		$4,612.82

CITY HALL.

Bunton & Bernard, lumber and labor.....	$18.50	
Connor Bros., plumbing repairs.....	3.35	
G. B. Cressey, glass, putty, labor.....	4.33	
H. E. Curtis, paint and labor.....	347.59	
Fischer & Co., labor.....	8.00	
Herman Fischer, material and labor.....	48.50	
W. E. Goodwin, plumbing repairs.....	13.99	
G. H. Hammond, lumber and labor.....	35.75	
Head & Dowst Co., lumber and labor.....	8.88	
Elmer E. Reed, masonwork.....	6.36	
Savage Bros., glass, paint and labor.....	25.90	
		$521.15

COURT HOUSE.

Herman Fischer, lumber and labor.....	$37.40	
Fischer & Co., lumber and labor.....	1.40	
W. E. Goodwin, plumbing repairs.....	7.20	
Savage Bros., glass., etc.....	4.51	
		$50.51

WARD TWO WARDROOM.

E. M. Bryant & Co., supplies and labor.....	$15.67	
Fischer & Co., roofing material and labor....	19.11	
W. E. Goodwin, plumbing.....	61.34	
John T. Gott, cleaning stone.....	20.00	
James H. Griffin, loam, turf, seed, etc.....	304.25	
G. H. Hammond, lumber and labor.....	332.96	
Robie Consolidated Concrete Co., concrete..	51.33	
Savage Bros., paint and labor.....	420.64	
John H. Stevens, cement and labor.....	8.40	
		$1,233.70

CITY SCALES.

Boyer & Moreau, paint and glass.....	$86.73	
Herman Fischer, lumber and labor.....	148.23	
Fischer & Co., roofing material and labor...	90.18	
		$325.14

WARD FIVE WARDROOM.

Boyer & Moreau, paint	$99.05	
Connor Bros., plumbing	16.55	
Fischer & Co., tar and labor	6.30	
G. H. Hammond, material and labor	6.86	
		$128.76

SUNDRIES.

T. J. Briggs, grate bars and labor, Battery building	$30.51	
Albert Boyer & Co., paint and glass, Battery building	37.35	
W. D. Hebert, care of city clocks	258.35	
Herman Fischer, raising bathhouse	320.46	
H. H. Lamoureux, use of hack	5.00	
Manchester Hardware Co., hardware	4.79	
John McIntyre, masonwork, Battery building	6.70	
John B. Varick Co., hardware	4.73	
		$667.89
Total expenditures		$10,988.77
Transferred to unappropriated money		11.23
		$11,000.00

Water-Works.

Balance from last year unexpended	$63,385.92	
Cash received for water rents	159,900.80	
		$223,286.72

EXPENDITURES.

LABOR.

January	$1,972.49	
February	2,261.84	
March	1,997.91	
April	2,204.57	
May	2,577.32	
June	3,319.42	
July	2,773.85	
August	3,440.37	
September	2,893.27	
October	2,828.43	
November	3,507.90	
December	3,271.26	
		$33,048.63

GENERAL EXPENSES.

C. K. Walker, superintendent:		
Salary	$2,400.00	
Lights	186.36	
Postage, express, etc	94.34	
Dudley & Sawyer, surveying	34.75	
J. E. Holmes, dinners, water board and guests	149.00	
Wm. Corey, 17 meetings of board	85.00	
Perry H. Dow, 3 meetings of board	15.00	
Charles M. Floyd, 16 meetings of board	80.00	
Edgar J. Knowlton, 19 meetings of board	95.00	
Charles H. Manning, 30 meetings of board	150.00	
Robert E. McKean, 19 meetings of board	95.00	
		$3;384.45

ADVERTISING, PRINTING AND STATIONERY.

John B. Clarke Co., printing bills, postals, etc.	$81.75	
John B. Clarke Co., department reports	34.85	
John B. Clarke Co., advertising	6.25	
W. P. Goodman, stationery	10.20	
Manchester Union Co., advertising	4.50	
F. H. McArdle, rubber bands, etc	8.25	
E. A. Stratton Co., printing notices	18.00	
Temple & Farrington Co., books, stationery and binding	14.89	
		$178.69

FUEL, TEAMS, TELEPHONE.

F. E. Bean, wood	$29.25	
L. B. Bodwell & Co., coal	381.79	
Lester W. Brooks, teams	101.50	
P. Campbell, use of team	5.00	
J. H. Cram, hauling wood	6.25	
W. E. Dunbar & Sons, coal	32.50	
W. A. Jepson, coal	841.13	
Manchester Auto Garage, use of automobiles	57.00	
New England Telephone & Telegraph Co., use of telephone	39.48	
		$1,493.90

LAND AND BUILDINGS.

Joseph Quirin, land	$3,500.00	
Sebastian Rau, land and buildings	1,800.00	
George E. Seavey, land	150.00	
		$5,450.00

LEGAL SERVICES.

Burnham, Brown, Jones & Warren	$534.60	
A. D. Emery	9.17	
M. Hall	24.70	
		$568.47

BLACKSMITHING, FREIGHT, HARDWARE.

C. H. Allyson, blacksmithing	$685.46	
Boston & Maine Railroad, freight	4,220.54	
Manchester Hardware Co., tools and hardware	46.84	
John B. Varick Co., tools and hardware	436.01	
		$5,388.85

SUPPLIES.

Adams Bros., cement and salt	$22.45
Amoskeag Manufacturing Co., waste, bolts, labor	724.82
American Locomotive Co., castings	339.52
J. J. Abbott, glass and gasoline	7.70
Bachelder & Quirin, lumber	22.00
Harold L. Bond Co., couplings, bushings, etc.	171.43
H. A. Boone, steel ladder	30.30
Brodie Electric & Automobile Co., material, etc.	1.25
Builders' Iron Foundry, reducers and branches	258.30
Chapman Valve Manufacturing Co., gates, hydrants and spindle	219.72
Cornelius Callahan Co., hose, pipe, etc	45.99
D. M. Dillon Steam Boiler Works, 2 boilers	3,382.84
Granite State Rubber Co., packing, gaskets, etc.	11.85
Hays Manufacturing Co., curb cocks, boxes, etc.	611.46
Hart Packing Co., pump valves	46.05
Head & Dowst Co., lumber	19.64
Ingersoll-Sergeant Drill Co., supplies	12.15
Kennedy Valve Manufacturing Co., gates	135.00
Lead Lined Iron Pipe Co., pipe	1,805.76
Lowell Wrench Co., gears	1.28
Locke Regulator Co., 1 regulator	150.00
Ludlow Valve Manufacturing Co., gates	320.40
J. H. Mendell Co., material and labor	761.83
National Meter Co., meters, etc	663.55
Neptune Meter Co., meters and coupling	276.00

Newark Brass Works, rubber gaskets.....	$7.99	
Norwood Engineering Co., hydrants and heads	675.80	
F. F. Osgood, packing.....	15.00	
Perry Oil Co., oil.....	151.79	
Pike & Heald Co., pipe, etc.....	471.51	
Pittsburg Meter Co., meters.....	464.00	
Rensselaer Manufacturing Co., gates and valves	469.20	
Richards & Co., lead and solder.....	695.04	
Smith Box & Lumber Co., boxes.....	84.00	
C. D. Steele & Co., soap.....	4.91	
John H. Stevens, hose, couplings, etc.....	19.41	
Snow Steam Pump Works, supplies.....	416.64	
Thomas Manufacturing Co., paint.....	13.80	
Thomson Meter Co., meters.....	491.70	
Tragle Cordage Co., packing.....	36.08	
Union Grocery Co., gasoline.....	33.30	
Union Water Meter Co., supplies.....	348.95	
Valvoline Oil Co., oil.....	177.59	
Walworth Manufacturing Co., head and bolt,	2.66	
West Side Lumber Co., lumber.....	20.20	
Westinghouse Air Brake Co., rod, gasket, etc.	25.65	
J. H. Wiggin Co., soap.....	2.64	
R. D. Wood & Co., pipe.....	15,254.51	
Henry R. Worthington, meters.....	172.00	
		$30,095.66

REPAIRS.

J. J. Abbott, paint, paper and labor.....	$66.72	
Amoskeag Manufacturing Co., material and labor	521.97	
American Locomotive Co., drilling hydrant shoe	3.00	
E. M. Bryant & Co., material and labor....	245.41	
Forrest E. Bean, lumber and screws.....	2.25	
E. P. Cornish, labor on bolts.....	1.26	
M. T. Davidson Co., repairing pump.....	715.21	
Ira W. Dickey, labor with team.....	8.00	
Herman Fischer, lumber and labor.....	44.47	
Hersey Manufacturing Co., repairing meters	4.93	
J. Hodge, lumber and labor.....	6.87	
Manchester Machine Works, repairs.....	40.35	
J. H. Mendell Co., plank.....	4.22	
National Meter Co., repairing meters.....	199.47	
Neptune Meter Co., repairing meters.....	38.77	

N. H. Chimney Sweep Co., rebuilding chimneys, sweeping, etc.	$13.50	
Powell & Clarkson, lumber and labor	859.30	
Robie Consolidated Concrete Co., repairs	5.32	
W. L. Roper, kalsomining	18.00	
John H. Stevens, material and labor	410.47	
Thomson Meter Co., repairing meters	75.41	
Union Water Meter Co., repairing meters	145.31	
H. R. Worthington, repairing meters	2.90	
		$3,429.11

SUNDRIES.

Town of Auburn, taxes	$786.71	
H. A. Boone, labor, moth nests from trees	17.25	
Dudley & Sawyer, work on gates	157.50	
Sarah Pennock, rent of house	100.00	
Harrison Preston, lease of land	75.00	
James Ried, carting 2 boilers to high service station	100.00	
Alfred Roberge & Co., removing moth nests,	496.83	
Street & park commission, cleaning off moth nests	3.73	
Sinking fund commissioners:		
Payment of water bonds	5,000.00	
Hydrant rentals	22,025.00	
J. G. Taggart, advertising and services as auctioneer	122.00	
		$28,884.02
Total expenditures		$111,921.78
Transferred to interest account		29,500.00
Transferred to new account		81,864.94
		$223,286.72

Pine Grove Cemetery.

Appropriation	$19,500.00	
Received from sale of bonds	21,000.00	
		$40,500.00

EXPENDITURES.

LABOR.

January	$396.73
February	473.09
March	522.17

April	$936.86	
May	1,163.07	
June	1,305.42	
July	1,091.42	
August	1,500.66	
September	1,003.68	
October	863.91	
November	1,128.69	
December	503.65	
		$10,889.35

FUEL, INSURANCE, TELEPHONE, WATER.

C. M. Edgerly, insurance premium	$112.24	
New England Telephone & Telegraph Co., use of telephone	27.10	
Union Coal Co., coal	245.88	
Water commissioners, use of water	684.00	
		$1,069.22

PRINTING AND STATIONERY.

E. H. Chadbourne, envelopes	$21.24	
John B. Clarke Co., printing receipts, etc.	14.00	
E. A. Stratton Co., printing blanks	3.50	
J. A. Williams, printing cards	2.50	
		$41.24

REPAIRS AND IMPROVEMENTS.

Boston & Maine Railroad, freight	$2.47	
F. J. Bixby, plants	24.50	
E. M. Bryant & Co., lamps	2.42	
Chelmsford Foundry Co., grave markers	62.50	
W. P. Farmer, assignee, 87 3-10 acres land, addition to cemetery	19,602.00	
R. & J. Farquhar & Co., hotbed mats	22.28	
Granite State Mowing Machine Co., machine parts	24.50	
J. Hodge, sash, blinds, hubs	10.41	
A. P. Horne & Co., shrubs, etc	116.80	
C. A. Hoitt Co., paper	4.02	
Manchester Awning Co., repairing tent	10.00	
Manchester Hardware Co., tools and hardware	7.23	
Manchester Rendering Co., ground tankage,	30.00	
Manchester Supply Co., pipe	250.77	
Manchester Traction, Light & Power Co., lights in chapel	13.11	

The J. L. Mott Iron Works, 1 drinking fountain	$33.45	
H. W. Parker, cement	6.00	
Palmer & Garmon, slate bounds, and figures,	155.28	
Pike & Heald Co., material and labor	94.74	
C. O. Polson, paint and labor	551.32	
E. W. Poore, paper and labor	17.75	
Sarah A. Ray and Electa M. Priest, 6.27 acres land	4,500.00	
Reade Manufacturing Co., herbicide	40.00	
John H. Stevens, labor on plumbing	16.36	
James Thompson, loam	393.00	
John B. Varick Co., tools and hardware	275.65	
West Side Lumber Co., lumber and labor	94.10	
		$26,360.66

TEAM EXPENSES.

Adams Bros., grain	$403.10	
Arthur S. Brown, hay	50.38	
Frank Casavant, harness repairs, etc	13.40	
S. P. Dodge Co., blacksmithing	17.40	
J. Louis Poor, hay	51.00	
J. O. & L. P. Tremblay, horseshoeing	39.00	
		$574.28

SUNDRIES.

W. G. Berry, insurance premium	$15.00	
Everett & Bunton, insurance premium	12.00	
J. H. Erskine, expenses attending convention of American Cemetery Superintendents' association, Chattanooga, Tenn	95.00	
Edwin F. Jones, annual report of subtrustees	25.00	
		$147.00

Total expenditures	$39,081.75
Transferred to new account	1,398.00
Transferred to unappropriated money	20.25
	$40,500.00

Valley Cemetery.

Appropriation	$5,300.00

Expenditures.

LABOR.

January	$208.50	
February	261.45	
March	208.50	
April	335.56	
May	376.12	
June	549.49	
July	405.11	
August	441.87	
September	355.25	
October	363.74	
November	380.62	
December	309.00	
		$4,195.21

FUEL, STATIONERY, TELEPHONE, WATER.

New England Telephone & Telegraph Co., use of telephone	$25.80	
E. Park Stevens, typewriting	2.00	
Temple & Farrington Co., blankbook	3.00	
J. F. Wyman, coal	45.00	
Water commissioners, use of water	165.50	
		$241.30

PLANTS, LOAM, ETC.

Bridget Clune, dressing	$16.50	
W. E. Dunbar & Sons, turf and loam	272.48	
Charles R. Fish & Co., plants	27.50	
A. P. Horne & Co., shrubs	70.00	
Pine Grove cemetery, plants	68.80	
		$455.28

REPAIRS AND IMPROVEMENTS.

F. L. Allen, 1 grindstone	$3.00	
C. H. Allyson, blacksmithing	3.70	
Boston & Maine Railroad, freight	.98	
Head & Dowst Co., lumber	29.76	
C. A. Hoitt Co., repairing chairs	2.00	
H. W. Parker, cement	7.60	
Palmer & Garmon, material and labor	13.55	
Pike & Heald Co., pipe	2.16	
E. C. Smith, overalls and rubbers	10.40	
John B. Varick Co., tools, hardware, etc	84.62	
C. L. Wolf, plumbing repairs	1.25	
		$159.02

TEAM EXPENSES.

H. J. Dexter, horseshoeing	$15.85	
F. H. Masse & Co., grain	83.20	
J. B. McCrillis & Son, painting and lettering wagon, etc.	21.15	
Joseph Vogel & Co., harness repairs	9.15	
		$129.35

SUNDRIES.

F. C. Livingston, clerk for trustees	$10.00	
E. C. Smith, expenses attending convention of American Cemetery Superintendents' association, Chattanooga, Tenn.	100.00	
		$110.00
Total expenditures		$5,290.16
Transferred to unappropriated money		9.84
		$5,300.00

Amoskeag Cemetery.

Appropriation		$700.00

EXPENDITURES.

LABOR.

John Crabtree	$63.01	
George C. Harwood	213.00	
		$276.01

SUNDRIES.

D. J. Adams Co., use of team	$2.00	
John Francis, plants	5.00	
Manchester Hardware Co., rake, seed, etc.	28.34	
Maxwell Ice Co., loam	43.75	
Palmer & Garmon, setting posts, hanging gates	200.00	
John B. Varick Co., 2 gates, etc.	103.32	
Water commissioners, use of water	12.00	
		$394.41
Total expenditures		$670.42
Transferred to unappropriated money		29.58
		$700.00

Merrill Yard.

Appropriation		$100.00

EXPENDITURES.

LABOR.

April	$16.40	
May	6.50	
June	8.25	
July	8.25	
September	9.75	
November	29.99	
December	17.85	
		$96.99
Total expenditures		$96.99
Transferred to unappropriated money		3.01
		$100 00

Repairs of Schoolhouses.

Appropriation		$10,000.00

EXPENDITURES.

MASONWORK.

Elmer E. Reed		$190.25

PAINTING AND GLAZING.

J. J. Abbott	$864.00	
John Bryson	453.73	
G. B. Cressey	670.88	
Joel S. Daniels	876.93	
W. J. Powers	2.85	
E. W. Poore	398.77	
W. H. Tebbitts	34.23	
		$3,301.39

PLUMBING, MATERIAL AND REPAIRS.

D. J. Adams & Co., repairing locks	$0.50	
Amoskeag Manufacturing Co., repairing boiler, boards and labor	83.56	
O. F. Bartlett & Co., steamfitting	31.03	

Barton & Co., shades	$14.79	
Bisson & Jodoin, repairing and cleaning furnaces	44.44	
Burlington Venetian Blind Co., tape	17.28	
O. D. Case Co., blackboards	104.22	
Chamberlin Metal Weather Strip Co., weather-stripping 7 windows	54.92	
G. W. Darrah, roofing material and labor	29.80	
Farrell Bros., electric supplies and repairs	87.46	
A. L. Franks & Co., electric supplies and repairs	268.97	
Fischer & Co., repairing finial and new conductor, etc	391.54	
N. J. Fountaine, reseating chairs	3.30	
F. L. Geiger & Co., castings and labor	8.55	
Head & Dowst Co., material and labor	985.65	
G. H. Hammond, material and labor	1,390.14	
Peter Harris & Son, keys	.50	
C. A. Hoitt Co., shades and repairs	20.30	
J. Hodge, 1 window	10.40	
Hubbard Sash & Blind Factory, 1 door	6.00	
H. J. Lawson, material and labor	14.76	
Leighton Machine Co., making bolts	2.14	
F. D. Leighton, steamfitting, repairs	191.54	
Albert M. Lewis, plumbing repairs	115.34	
C. F. McDonald, plumbing repairs	18.35	
Manchester Supply Co., seats, etc	7.15	
F. L. Noyes, cement and labor	2.80	
People's Gas-light Co., mantles, globes, chimneys	30.90	
H. A. Piper, material and labor	38.88	
Pike & Heald Co., plumbing, steam and gas fitting	346.39	
Robie Consolidated Concrete Co., concrete	109.84	
John H. Rice, freight on blackboards	3.00	
Raiche & Prince, refinishing inside Amoskeag school	325.00	
Stevens & Bradley, plumbing	24.02	
John H. Stevens, gas, plumbing and steamfitting	1,224.32	
Frank Sargent, chair springs	7.60	
E. F. Tuson, keys	1.15	
John B. Varick Co., hardware	144.98	
C. L. Wolf, plumbing	13.38	
Frank E. Woodward & Co., dampers	36.00	
West Side Lumber Co., lumber, etc	98.59	
		$6,309.48

SUNDRIES.

Forrest Bean, cleaning vaults	$4.00	
J. A. Colby, cleaning vaults	57.00	
Manchester Typewriter Exchange, 12 sets specifications and paper	6.50	
Byron E. Moore, labor, men and team	6.25	
J. H. Rice, paid freight	6.58	
James Ried, cartage	5.00	
Travelers' Insurance Co., boiler insurance	80.00	
		$165.33
Total expenditures		$9,966.45
Transferred to unappropriated money		33.55
		$10,000.00

Books and Stationery.

Appropriation		$50.00

EXPENDITURES.

SUNDRIES.

J. E. Bernier, printing cards	$6.25	
H. L. Davis, stamped envelopes	10.62	
Temple & Farrington Co., blank book	1.25	
		$18.12
Total expenditures		$18.12
Transferred to unappropriated money		31.88
		$50.00

Printing and Advertising.

Appropriation	$500.00	
Transferred from unappropriated money	17.33	
		$517.33

EXPENDITURES.

John B. Clarke Co., printing examination papers, cards, blanks, etc	$479.06	
John B. Clarke Co., advertising	9.50	
Manchester Union Co., advertising	28.77	
		$517.33
Total expenditures		$517.33

Furniture and Supplies.

Appropriation		$1,500.00

EXPENDITURES.

SUPPLIES.

Atkinson, Mentzer & Grover, paper	$4.10	
C. W. Bickford, postage	30.30	
Milton Bradley Co., tables	12.30	
John B. Clarke Co., printing cards	25.00	
W. P. Goodman, stationery	.65	
Granite State Rubber Co., matting	8.80	
James W. Hill Co., flags	36.90	
Head & Dowst Co., sand tables, etc	27.72	
G. H. Libbey, postage	12.53	
Manchester Traction, Light & Power Co., lamps	.95	
F. E. Nelson, cups	.60	
Novelty Co., stamp and pad	.80	
F. F. Osgood, enamel cloth	.75	
Stanley Liquid Soap Co., soap	15.80	
Temple & Farrington Co., pencil sharpener,	1.00	
		$178.20

FURNITURE, ETC.

C. W. Anderson & Co., clocks	$10.50	
J. L. Hammett Co., blackboard	14.85	
C. A. Hoitt Co., glassware, furniture	138.85	
Kenney Bros. & Wolkins, desks and inkwells	267.05	
People's Gas-light Co., gascooker and tubing	18.50	
C. A. Trefethen, clocks	7.00	
John B. Varick Co., baskets, twine, etc	10.86	
		$467.61

SUNDRIES.

Archie Coldwell, use of chairs	$1.50	
W. F. Henderson, moving furniture, etc	.75	
J. G. Jones, cartage	13.83	
A. A. Jenkins, tuning pianos	30.50	
C. A. Hoitt Co., use of chairs	47.17	
J. S. Mills, repairing typewriters	35.00	
H. A. Piper, labor	19.20	
Smith Bros. Piano Co., rent of pianos	135.00	
James Ried, moving piano	2.00	

F. L. Wallace, use of chairs	$2.50	
Williams Manufacturing Co., rent of typewriters	35.00	
		$322.45
Total expenditures		$968.26
Transferred to unappropriated money		531.74
		$1,500.00

Fuel.

Appropriation		$12,000.00

EXPENDITURES.

COAL.

L. B. Bodwell & Co.	$902.52	
Moore & Preston Coal Co.	8,705.85	
Union Coal Co.	713.88	
		$10,322.25

WOOD.

S. A. Blood	$212.50	
W. E. Dunbar & Sons	504.00	
Maxwell Ice Co.	142.01	
		$858.51

SUNDRIES.

Amoskeag Manufacturing Co., 1 tank	$5.00	
C. B. Clarkson, weighing coal	164.00	
F. D. Leighton, pipe and labor	7.28	
E. G. Libbey, use of teams	29.00	
J. J. McAllister, weighing coal	5.78	
W. H. Newry, extra services	19.25	
Stevens & Bradley, flue brushes	.70	
John H. Stevens, repairing oil pump	6.21	
John B. Varick Co., ash cans, rakes, pails, brooms, etc.	37.69	
		$274.91
Total expenditures		$11,455.67
Transferred to unappropriated money		544.33
		$12,000.00

Contingent Expenses.

Appropriation	$3,500.00	
Transferred from unappropriated money	776.10	
		$4,276.10

Expenditures.

ELECTRIC LIGHTS, GAS, WATER.

Manchester Traction, Light & Power Co., electric lights	$613.74	
People's Gas-light Co., gas	405.79	
Water commissioners, use of water	1,518.02	
		$2,537.55

CARRYING WATER.

Eva M. Bean	$17.00	
Emma J. Ela	19.00	
G. M. Morse	19.00	
		$55.00

USE OF TEAMS.

Ethel M. Bartlett	$76.00	
C. W. Bickford	150.00	
Maude E. Brown	55.50	
C. W. Davis	150.00	
Emma J. Ela	35.00	
Chas. I. Hardy	410.00	
Rena P. Knee	1.00	
Elizabeth McKelvie	3.00	
Mildred Morey	76.00	
Marion F. Partridge	76.00	
		$1,032.50

SUNDRIES.

C. W. Bickford, expenses securing teacher	$3.85	
Boston Bank Note Co., diplomas	213.50	
L. M. Folsom, ribbon	32.16	
J. H. Hesser, engrossing diplomas	41.85	
New England Telephone & Telegraph Co., telephone tolls	5.59	
Pay-roll, extra grading Youngsville school lot	149.70	
Park Theater lessees, rent of theater and special tickets	127.00	
Smith Bros.' Piano Co., rent of pianos	45.00	
Victor E. Stevens, engrossing diplomas	32.40	
		$651.05
Total expenditures		$4,276.10

Care of Schoolrooms.

Appropriation	$10,500.00	
Transferred from unappropriated money	88.42	
		$10,588.42

Expenditures.

JANITORS.

John S. Avery	$529.11	
Edwin N. Baker	370.77	
Marshall N. Badger	235.40	
Eva M. Bean	36.00	
James H. Buffum	658.31	
John Cedar	541.62	
Joseph Chalifoux	187.50	
Charles H. Corey	235.40	
Irving W. Corning	208.30	
Emma J. Ela	38.00	
Wm. F. Henderson	538.36	
Louis Hueber	235.40	
Edward J. Ivers	225.72	
Charles F. Jack	809.56	
George H. Jack	670.77	
Harvey H. Johnson	166.65	
John J. Kelley	608.27	
Edward Linehan	166.65	
Hugh McVicker	638.27	
Wm. H. Newry	570.81	
Wm. J. Powers	608.27	
E. A. Powers	208.30	
Arabella Rickaby	43.50	
Philip Rogler	208.30	
Dennis Sullivan	457.05	
John I. Thompson	19.00	
William Tufts	208.30	
Inez M. Warren	42.50	
		$9,466.09

SUNDRIES.

Amoskeag Manufacturing Co., soap	$7.22	
C. N. Baker, cleaning	8.00	
E. L. Bohan, horsehire	13.50	
J. Cadott, making poker	1.25	
C. L. Chase & Son, floor dressing, oilers	12.75	
John B. Clarke Co., printing circulars, cards, etc.	23.50	

Joel S. Daniels, floor dressing	$55.65	
Daniels-Cornell Co., soap	13.00	
Farrell Bros., desk light	5.25	
S. A. Felton & Son Co., brushes and handles,	138.90	
C. F. Jack, cleaning, moving supplies, car-fares, etc.	68.65	
J. G. Jones, cartage	2.65	
W. P. Goodman, stationery	4.03	
W. E. Goodwin, plungers	12.60	
Henry Goudreault, blacksmithing	1.75	
W. S. Holt & Son, cloth remnants	13.25	
Howard Dustless Duster Co., brushes, and dusters	65.00	
J. J. Kelley, oiling floors	35.00	
Paul Lavallee, cleaning	3.00	
F. D. Leighton, fluebrush	1.50	
Manchester Hardware Co., pails, dusters, etc.	15.40	
Mrs. W. A. Marshall, cleaning	3.50	
J. B. McCrillis & Son, making fire irons	6.65	
McDonald Bros., new shovel and rake	1.50	
J. J. Moreau & Son, mops	7.20	
New England Telephone & Telegraph Co., tolls	5.13	
F. E. Nelson, basins and pans	6.10	
F. F. Osgood, hose reel, etc	51.50	
Pike & Heald Co., packing and shovels	.75	
Eugene Quirin, boiler and oil	1.45	
E. F. Tuson, making keys	6.67	
John B. Varick Co., hose, shovels, brooms, wheelbarrow, etc	410.38	
Irene Wallis, typewriting rules	2.00	
West Disinfecting Co., disinfectant	116.55	
G. F. Wenzel, blacksmithing	.50	
Wiggin-Young Co., oil	.60	
		$1,122.33
Total expenditures		$10,588.42

Evening Schools.

Appropriation	$1,800.00	
Transferred from unappropriated money	14.69	
		$1,814.69

Expenditures.

SALARIES.

Arthur D. Benton	$58.00	
Arthur B. Blaine	58.00	
Minnie R. Bryant	16.00	
Harold C. Caine	47.00	
Honorie J. Crough	116.00	
Joseph F. Doyle	28.00	
John J. Donnelly	37.00	
Ferdinand Farley	110.00	
Carroll S. King	116.00	
Frank J. Kearns	58.00	
Margaret G. Linen	58.00	
Sarah T. Lyons	22.00	
John J. McAllister, Jr	112.00	
Thomas A. McCabe, Jr	30.00	
K. F. McDonald	58.00	
Arthur P. Morrill	58.00	
Myra V. Moore	58.00	
Adelia Murphy	58.00	
Lawrence A. O'Connor	54.00	
Harry E. Pillsbury	32.00	
Florence A. Prescott	43.00	
Edwin M. Rogers	58.00	
C. A. Savory	58.00	
Jessie P. Stevens	58.00	
John W. Sullivan	46.00	
Minnie Sullivan	54.00	
Nora Sullivan	54.00	
Arthur J. Tonery	58.00	
Genieve B. Wilson	58.00	
Mary D. Young	58.00	
		$1,729.00

SUNDRIES.

John B. Clarke Co., printing cards	$19.50	
Farrell Bros., mantles, chimneys, labor	27.60	
D. C. Heath & Co., books	38.59	
		$85.69
Total expenditures		$1,814.69

Evening School.--Mechanical Drawing.

Appropriation		$300.00

EXPENDITURES.

SALARIES.

Henry W. Allen, teacher	$120.00	
John M. Kendall, teacher	120.00	
		$240.00

SUNDRIES.

John Cedar, janitor	$3.50	
Frost & Adams, paper	24.50	
		$28.00
Total expenditures		$268.00
Transferred to unappropriated money		32.00
		$300.00

Teachers' Salaries.

Appropriation		$120,000.00

EXPENDITURES.

SALARIES.

January	$12,050.08	
February	12,543.85	
March	12,290.79	
April	9,300.79	
May	12,422.68	
June	12,459.71	
September	9,285.34	
October	12,428.48	
November	12,632.26	
December	12,840.62	
		$118,254.60
Total expenditures		$118,254.60
Transferred to unappropriated money		1,745.40
		$120,000.00

Free Text-books.

Appropriation	$7,000.00	
Transferred from unappropriated money	185.99	
		$7,185.99

Expenditures.

FREE TEXT-BOOKS AND SUPPLIES.

Allyn & Bacon	$60.13
American Book Co	1,800.74
Amoskeag Manufacturing Co	44.92
Atkinson, Mentzer & Grover	97.25
D. Appleton & Co	4.61
Bausch & Lomb Optical Co	84.05
E. E. Babb & Co	1,228.33
The Barton Co	24.21
Milton Bradley Co	398.89
E. M. Bryant & Co	10.10
T. H. Castor & Co	40.25
Oliver Ditson Co	7.21
Joseph Dixon Crucible Co	87.50
B. F. Elwell Glue Co	4.60
Frederick A. Fernald	1.45
Frost & Adams Co	3.22
J. R. Foster	3.20
Charles S. Frost	9.50
Ginn & Co	637.49
Gregg Publishing Co	24.60
W. P. Goodman	8.35
M. M. Gingles	.65
J. L. Hammett Co	366.68
D. C. Heath & Co	344.37
C. Howard Hunt Pen Co	40.50
Houghton, Mifflin & Co	56.45
James W. Hill Co	43.71
Hardy Printing Co	7.50
Kenney Bros. & Wolkins	87.78
W. E. King	15.50
Marine Biological Laboratory	35.75
Manchester Tea Co	2.13
Charles E. Merrill Co	39.60
Melvin & Fitts	176.05
Novelty Co.	12.10
H. N. Pratt	6.75
Rand, McNally & Co	10.90

Sibley & Co.	$26.51	
Silver, Burdett & Co.	355.96	
Smith Premier Typewriter Co.	7.00	
B. H. Sanborn & Co.	28.32	
E. A. Stratton Co.	9.25	
Charles Scribner's Sons	21.19	
Thompson-Brown Co.	35.37	
Underwood Typewriter Co.	12.00	
John B. Varick Co.	28.20	
Walsh & Cummings	44.08	
J. A. Williams	4.80	
Wadsworth, Howland & Co.	80.45	
		$6,480.15

SUNDRIES.

J. G. Jones' Transfer, freight and cartage	$105.84	
Fannie L. Sanborn, superintendent's clerk	600.00	
		$705.84
Total expenditures		$7,185.99

Manual Training.

Appropriation	$600.00	
Transferred from unappropriated money	5.28	
		$605.28

EXPENDITURES.

SUNDRIES.

Amoskeag Manufacturing Co., lumber and labor	$155.10
F. E. Browne, expenses, looking up teacher, visiting schools, Albany, N. Y.	20.55
John B. Clarke Co., cardboard	3.25
Mrs. N. J. Davis, laundering and repairing aprons	2.50
Eugene Dietzgen Co., supplies	26.33
B. F. Elwell Glue Co., glue	3.80
Favor, Ruhl & Co., jupiter wheels resharpened	5.20
L. M. Folsom, cloth	1.80
J. L. Hammett Co., heavy paper	11.75
Head & Dowst Co., sundry woods	10.68
Hubbard Sash & Blind Factory, basswood and labor	35.00

J. G. Jones, freight and cartage	$1.04	
Manual Arts Press, books	5.95	
Machinery, jig sheets	3.00	
Manchester Traction, Light & Power Co., fuse plugs	.60	
Manning, Maxwell & Moore, 1 machine	41.00	
N. E. Box Co., sundry woods	34.78	
Oliver Machinery Co., 1 wood-trimmer	25.80	
Popular Mechanics Co., 2 copies "Amateur Mechanics"	.50	
John B. Varick Co., hardware and tools	191.40	
John M. Wood & Co., wood	25.25	
		$605.28
Total expenditures		$605.28

Repairs to Bakersville School.

Appropriation	$7,500.00	
Transferred from unappropriated money	92.00	
		$7,592.00

EXPENDITURES.

Bunton & Bernard, contract	$7,297.00	
McFarland & Colby, architects	295.00	
		$7,592.00
Total expenditures		$7,592.00

Repairs to Rimmon School.

Appropriation		$7,500.00

EXPENDITURES.

Bunton & Bernard, contract	$6,691.00	
McFarland & Colby, architects	704.16	
		$7,395.16
Total expenditures		$7,395.16
Transferred to unappropriated money		104.84
		$7,500.00

Curbing and Walk Around Varney School.

Appropriation		$750.00

EXPENDITURES.

Palmer & Garmon, curbing and steps	$694.00	
Robie Consolidated Concrete Co., concrete	55.33	
		$749.33
Total expenditures		$749.33
Transferred to unappropriated money		.67
		$750.00

Grading Youngsville School Lot.

Appropriation		$700.00

EXPENDITURES.

LABOR.

August		$593.49

SUNDRIES.

Allen Chisholm Co., steps	$50.00	
Robie Concrete Co., concrete	51.55	
		$101.55
Total expenditures		$695.04
Transferred to unappropriated money		4.96
		$700.00

Highland School Grading.

Balance from last year unexpended	$200.00

EXPENDITURES.

Hub Construction Co., grading	$200.00

Typewriters, High School.

Appropriation	$300.00

EXPENDITURES.

Novelty Co., 1 Fox machine	$50.00	
Remington Typewriter Co., 2 machines	100.00	
Underwood Typewriter Co., 3 machines	150.00	
		$300.00
Total expenditures		$300.00

Paupers off Farm.

Appropriation	$14,000.00	
Appropriation, resolution, October 10, 1910	2,500.00	
Appropriation, resolution, December, 1910	2,000.00	
		$18,500.00

EXPENDITURES.

GROCERIES AND MEATS.

George Boisvert	$285.00
Joseph Bureau	40.00
Bourgeois & Co	26.00
J. B. Bouchard	10.00
P. J. Charron	13.00
N. Daigle	140.00
Dancose Bros.	189.00
Dumas & Prince	10.00
L. F. Dusseault & Co	418.00
E. G. Dubois	5.00
O. F. Dubois	180.00
Ducharme Bros.	83.50
Duhaime & St. Cyr	40.00
A. L. Duhaime	18.00
Carl Friborg	14.00
A. J. Gagne	322.00
Ernest Gelinas	282.00
J. J. Griffin	253.00
Gorman Bros.	91.00
Felix Harbour	58.00
John Healy	1,104.43
J. F. Healy	47.97
A. P. Hermsdorf	1,129.64
E. Holmes	46.44
John A. Kane	1,290.00
T. J. Labrecque	17.95

E. W. Lewis	$43.00	
Martel & Valliere	15.00	
Oscar McDuffee	708.00	
McLaughlin & Day	290.00	
M. J. McNulty	110.00	
E. F. Murray	34.00	
Charles Normand	48.00	
Hertel Pariseau	107.00	
Edmond Pinard	131.00	
Pulpit Farm Dairy	8.41	
Eugene Quirin	524.00	
E. Ringenwald	13.46	
Roy & Cloutier	2.10	
C. L. Ruiter	16.00	
A. L. Robitaille	18.00	
C. D. Steele & Co	202.00	
M. A. Sheehan	1,242.50	
Peter Tennant	8.00	
Twentieth Century Market	8.00	
Euclide Voisard	510.00	
H. H. Williams	24.00	
Wiggin-Young Co.	7.00	
		$10,183.40

FUEL.

Charles Boisclair	$139.00	
L. B. Bodwell & Co	8.00	
J. H. DeCourcy Co	151.63	
W. E. Dunbar & Sons	129.00	
A. Ferland	55.00	
C. A. & A. W. Flint	.50	
Wm. Forrest	49.50	
Joseph Legasse	4.00	
Manchester Coal & Ice Co	35.75	
B. J. Mack	21.00	
Joseph Masse	120.75	
Maxwell Ice Co	141.50	
Moore & Preston Coal Co	126.25	
Mystic Pond Ice Co	35.89	
Napoleon Normand	58.25	
Raiche & Laforce	11.50	
Raiche & Prince	30.00	
John P. Russell	193.75	
E. V. Turcotte Co	4.00	
Albert Warren	13.50	
John R. Willis & Co	84.25	
Henry Weber	110.26	
		$1,523.28

BOARD AND CARE AND RENT.

Blodgett & Young heirs	$20.00
Henry A. Berger	24.00
Joseph Charpentier	89.00
Victoria Chaput	115.00
Mrs. James Coakley	106.00
Abraham Cote	120.00
Ann O. Connor	82.25
Mary Dillon	216.00
George A. Davis	41.00
John Donnelly	108.00
Kate Fitzpatrick	18.00
Mrs. Rose Fitzgerald	24.00
Charles George	76.77
Margaret Healy	134.00
Mrs. Charles Heathcote	36.00
Thomas Herbert	122.50
Hillsborough County Farm	781.22
Louise Houlne	76.70
Hospice St. Vincent de Paul	5.00
Melvin A. Lewis	120.00
Mrs. Michael Mahoney	120.00
Eliza Mayo	24.00
David Mayo	4.00
Mary Monroe	20.00
John E. Morse	52.00
Wm. Moore	4.00
Mrs. Julia Mitcheson	12.00
Notre Dame Orphanage	349.50
Notre Dame Hospital	132.80
Edward O'Hara	31.00
Old Ladies' Home	304.00
Philip Pellerin	10.00
Pembroke Sanatorium	75.72
Kate Quinn	24.00
Margaret Reagan	120.00
Patrick Rooney	8.00
Gilman Randall	17.00
St. Joseph's Orphanage	537.50
St. Patrick's Orphanage	240.00
St. Pierre Orphanage	437.02
Mrs. Annie Sullivan	56.00
Mrs. Ida Sheid	117.00
Lillian C. Waite	57.00
West Side Lumber Co	48.00

Whittier & Foster	$87.00	
Lyman B. Whittemore	122.00	
Jane Wolfe	181.00	
		$5,505.98

BOOTS AND SHOES.

W. F. Beauchemin	$5.20	
A. T. Beaumier	6.75	
Eugene C. Brigham	17.70	
E. C. Chagnon & Co	9.65	
M. A. Currier	8.60	
J. W. Campbell	2.00	
G. W. Dodge Shoe Co	23.65	
Duke & Whitney	6.00	
John Francis	7.05	
T. Gelinas	5.50	
Gedeon Gosselin	1.50	
Heath's Shoe store	16.25	
T. J. McDonough	13.90	
C. Pariseau & Co	2.75	
Pellerin & Simard	14.90	
D. F. Shea	68.15	
		$209.55

CLOTHING.

Amoskeag Clothing Co	$22.75	
Geoffrion & Cullerot	23.25	
A. M. Koehler	3.50	
Lane & Dozois	5.00	
M. A. McDonough	4.36	
Mansur B. Niven	6.75	
Max Saidel & Bro	8.94	
		$74.55

MEDICINES, MEDICAL SERVICES, FUNERAL EXPENSES.

Chas. Boisclair, funeral outfit	$17.00
Albert Folsom, M. D., professional services	6.00
Elmer D. Goodwin, burial outfit	25.00
John B. Hall Co., medicine, etc	146.35
Kerwin & Sheehan, medicine	12.20
Andrew Leckie, medicine	1.75
LeBlanc & Provencher	7.70
A. S. Mangurian, M. D., professional services	6.00
McDonough & Co., burial outfit	25.00
D. L. Robinson, burial outfit	25.00
Roy & Gadbois, burial outfit	25.00
E. V. Turcotte Undertaking Establishment, burial outfit	33.00

F. L. Wallace, burial outfit	$25.00	
Walsh & Cummings, medicine	38.55	
		$393.55
SUNDRIES.		
Boston & Maine Railroad, transportation	$14.55	
John B. Clarke Co., printing billheads	13.50	
John B. Clarke Co., advertising	5.40	
John J. Connor, conveying pauper to insane asylum	1.83	
W. J. Freeman, teams	16.50	
Kean, Sheehan & Sullivan, ambulance to county farm	5.00	
W. P. Goodman, stationery	1.90	
Union Publishing Co., advertising	3.20	
Fred Watts, 1 invalid chair	3.00	
		$64.88
Total expenditures		$17,955.19
Transferred to unappropriated money		544.81
		$18,500.00

Indigent Soldiers.

Appropriation		$300.00
EXPENDITURES.		
GROCERIES.		
L. F. Dusseault & Co	$50.00	
F. H. Poore	21.00	
		$71.00
FUEL.		
W. E. Dunbar & Sons	$32.00	
Fred Langley	3.62	
Maxwell Ice Co	52.00	
		$87.62
SUNDRIES.		
Matthew Malloy, board and care	$120.00	
D. F. Shea, shoes	2.00	
		$122.00
Total expenditures		$280.62
Transferred to unappropriated money		19.38
		$300.00

Board of Examiners of Plumbers.

Appropriation		$50.00

EXPENDITURES.

John B. Clarke Co., printing reports	$3.25	
Pike & Heald Co., supplies	25.44	
Temple & Farrington Co., binding records	.85	
John B. Varick Co., 1 firepot	4.00	
		$33.54
Total expenditures		$33.54
Transferred to unappropriated money		16.46
		$50.00

Band Concerts.

Appropriation		$400.00

EXPENDITURES.

Cadet band	$100.00	
Lafayette band	100.00	
Manchester City band	100.00	
Turner band	100.00	
		$400.00
Total expenditures		$400.00

Militia.

Appropriation		$1,050.00

EXPENDITURES.

Band, First Regiment, N. H. N. G.	$50.00	
Battery A, First Regiment, N. H. N. G.	100.00	
Company A, First Regiment, N. H. N. G.	100.00	
Company B, First Regiment, N. H. N. G.	100.00	
Company F, First Regiment, N. H. N. G.	100.00	
Company K, First Regiment, N. H. N. G.	100.00	
Joseph Freschl Post, G. A. R.	100.00	
Louis Bell Post, G. A. R.	100.00	
Headquarters, First Regiment, N. H. N. G.	50.00	
Hospital Corps	50.00	

Manchester War Veterans	$100.00	
Spanish War Veterans	100.00	
		$1,050.00
Total expenditures		$1,050.00

Decoration of Soldiers' Graves.

Appropriation		$500.00

EXPENDITURES.

Joseph Freschl Post, G. A. R.	$100.00	
Louis Bell Post, G. A. R.	399.90	
		$499.90
Total expenditures		$499.90
Transferred to unappropriated money		.10
		$500.00

Purchase of Land Sold for Taxes.

Appropriation		$4,500.00

EXPENDITURES.

George E. Morrill		$4,292.52
Total expenditures		$4,292.52
Transferred to unappropriated money		207.48
		$4,500.00

Abatement of Taxes.

Appropriation		$2,000.00

EXPENDITURES.

George E. Morrill	$1,997.11	
Charles Rowell	1.86	
Cyprien Soucie, 2d	1.03	
		$2,000.00
Total expenditures		$2,000.00

Granite Base for Lincoln Statue.

Appropriation		$2,500.00

EXPENDITURES.

SUNDRIES.

Lincoln Memorial association, bill for design and services on stone pedestal	$109.00	
Lincoln Memorial association, expenses of committee	25.00	
J. H. Mendell Co., lumber and labor	44.87	
J. A. Rogers, moving fountain, etc	130.52	
Robie Consolidated Concrete Co., concrete	43.50	
R. P. Stevens Co., stonework	1,498.00	
Street & park commissioners, preparing foundation	312.90	
		$2,163.79
Total expenditures		$2,163.79
Transferred to unappropriated money		336.21
		$2,500.00

Printing Proceedings of Centennial of Name of Manchester.

Appropriation, resolution, August 29, 1910	$150.00

EXPENDITURES.

Transferred to new account	$150.00

Centennial of the Name of Manchester.

Appropriation	$2,000.00

EXPENDITURES.

Transferred to unappropriated money	$2,000.00

State Tax.

Appropriation	$93,720.00

EXPENDITURES.

State of New Hampshire	$93,720.00

County Tax.

Appropriation	$52,924.30

EXPENDITURES.

County of Hillsborough	$52,924.30

Animal Rescue League.

Appropriation	$300.00

EXPENDITURES.

Animal Rescue League, amount appropriated	$300.00

Elliot Hospital.

Appropriation	$300.00

EXPENDITURES.

Elliot Hospital, amount appropriated	$300.00

Hospice St. Vincent de Paul.

Appropriation	$300.00

EXPENDITURES.

Hospice St. Vincent de Paul, amount appropriated	$300.00

Infant Asylum, Our Lady of Perpetual Help.

Appropriation	$300.00

EXPENDITURES.

Infant Asylum, Our Lady of Perpetual Help, amount appropriated	$300.00

Notre Dame de Lourdes Hospital.

Appropriation	$300.00

EXPENDITURES.

Notre Dame de Lourdes Hospital, amount appropriated,	$300.00

Orphelinat St. Pierre.

Appropriation	$300.00

EXPENDITURES.

Orphelinat St. Pierre, amount appropriated	$300.00

Sacred Heart Hospital.

Appropriation	$300.00

EXPENDITURES.

Sacred Heart Hospital, amount appropriated	$300.00

St. John's Home.

Appropriation	$300.00

EXPENDITURES.

St. John's Home, amount appropriated	$300.00

St. Joseph's Boys' Orphanage.

Appropriation	$300.00

EXPENDITURES.

St. Joseph's Boys' Orphanage, amount appropriated	$300.00

St. Patrick's Girls' Orphanage.

Appropriation	$300.00

EXPENDITURES.

St. Patrick's Girls' Orphanage, amount appropriated....	$300.00

W. C. T. U. Mercy Home.

Appropriation	$300.00

EXPENDITURES.

W. C. T. U. Mercy Home, amount appropriated.....	$300.00

Women's Aid Home.

Appropriation	$300.00

EXPENDITURES.

Women's Aid Home, amount appropriated.....	$300.00

Young Men's Christian Association.

Appropriation	$300.00

EXPENDITURES.

Young Men's Christian Association, amount appropriated	$300.00

West Side Reading Room.

Appropriation	$100.00

EXPENDITURES.

West Side Reading Room, amount appropriated.....	$100.00

Manchester Boys' Club.

Appropriation	$200.00

EXPENDITURES.

Manchester Boys' Club, amount appropriated	$200.00

Resolution Raising Money and Making Appropriations for the Year 1910.

Resolved, by the Board of Common Council of the City of Manchester, as follows:

That the sum of one hundred thousand dollars ($100,000) be borrowed for the use of the city, under authority of Chapter 264 of the Session Laws of 1893 of the State of New Hampshire, for the following permanent municipal improvements, to wit: fifty-two thousand dollars ($52,000) for new highways; forty thousand dollars ($40,000) for new sewers; seven thousand dollars ($7,000) for the development and improvement of Lafayette Park, and one thousand dollars ($1,000) for the development and improvement of Stark Park; and that the standing committee on finance is hereby authorized to issue the bonds of the city for said amount of one hundred thousand dollars ($100,000), the same to be dated April 1, 1910, and payable April 1, 1930, with interest coupons attached for the payment of interest semiannually at three and one half (3½) percent; said bond to be signed by the city treasurer and countersigned by the mayor, and said coupons to bear the facsimile signature of the mayor; said bonds to be sold to the highest responsible bidder upon a call issued by said standing committee on finance for bids. And be it further

Resolved, That the sum of seven hundred and ninety-eight thousand, two hundred and forty-four dollars and thirty cents ($798,244.30) be raised for the use of said city for the year 1910 by tax on the polls and estates liable to be taxed thereon in said city, which sum, together with the one hundred thousand dollars ($100,000) to be borrowed, as above provided, and with such unappropriated money as may be now in the city treasury, or may hereafter come into it, shall be appropriated as follows, to wit:

CENTRAL DEPARTMENT.

Interest	$45,500.00
Sinking fund	26,000.00
City hall	4,200.00
Printing and stationery	2,800.00
Incidental expenses	8,000.00
Land sold for taxes	4,500.00
Mayor's incidentals	300.00
City officers' salaries	30,000.00

Payment on funded debt	$10,000.00
Land taken for new highways	2,000.00
	$133,300.00

AUDITOR'S DEPARTMENT.

Salaries and expenses	$2,400.00

DEPARTMENT OF TAXES.

State tax	$93,720.00
County tax	52,924.30
	$146,644.30

ASSESSORS' DEPARTMENT.

Salaries and expenses	$9,500.00
Abatement of taxes	2,000.00
	$11,500.00

ENGINEER'S DEPARTMENT.

Salaries and expenses	$9,000.00

STREET AND SEWER DEPARTMENT.

Street & Park commission, salaries and expenses	$10,000.00
Snow and ice, and cleaning streets	18,000.00
Repairs of highways	30,000.00
New highways	52,000.00
Watering streets	10,000.00
Paving streets	10,000.00
Macadamizing streets	10,000.00
Grading for concrete	2,000.00
Scavenger service	30,000.00
Sweeping streets	10,000.00
Bridges	8,000.00
City teams	12,000.00
Repairs of sewers	5,000.00
New sewers	40,000.00
Brown-tail and gypsy moths	6,000.00
City yard	6,000.00
Cutting and trimming trees	1,000.00
	$260,000.00

SCHOOL DEPARTMENT.

Books and stationery	$50.00
Care of rooms	10,500.00
Contingent expenses	3,500.00
Evening schools	1,800.00
Evening schools, drawing	300.00
Free text-books and apparatus	7,000.00
Fuel	12,000.00
Furniture and supplies	1,500.00
Manual training	600.00
Printing and advertising	500.00
Repairs of schoolhouses	10,000.00
Teachers' salaries	120,000.00
Typewriters, High school	300.00
Repairs to Bakersville school	7,500.00
Curbing and walk around Varney school	750.00
Grading Youngsville school lot	700.00
Relief for overcrowded condition at Rimmon school	7,500.00
	$184,500.00

FIRE DEPARTMENT AND HYDRANT SERVICE.

Salaries and maintenance of fire department	$102,475.00
Fire-alarm telegraph	4,000.00
Hydrant service	22,025.00
	$128,500.00

PUBLIC BUILDINGS AND PLACES.

Repairs on public buildings	$9,500.00
Pine Grove cemetery	19,500.00
Valley cemetery	5,300.00
Amoskeag cemetery, with gate	700.00
Merrill yard	100.00
Care of commons	4,500.00
Stark park	2,000.00
Derryfield park	1,000.00
Lafayette park	7,000.00
Miscellaneous playgrounds	300.00
Playground in ward 8	100.00
	$50,000.00

HEALTH DEPARTMENT.

Salaries, expenses and maintenance	$20,000.00

POLICE DEPARTMENT.

Police station	$3,000.00
Police court	2,900.00
Police commission	68,000.00
	$73,900.00

CITY LIBRARY.

Salaries and expenses	$7,000.00
Purchase of books	2,000.00
	$9,000.00

PATRIOTIC, CHARITABLE AND PHILANTHROPIC DEPARTMENT.

Support of paupers	$14,000.00
Indigent soldiers and sailors	300.00
Women's Aid Home	300.00
Elliot hospital	300.00
Sacred Heart hospital	300.00
Notre Dame hospital	300.00
Mercy home	300.00
Infant asylum	300.00
Decoration of soldiers' graves, Joseph Freschl Post, G. A. R.	100.00
Decoration of soldiers' graves, Louis Bell Post, G. A. R.,	400.00
Co. A, First Regiment, N. H. N. G	100.00
Co. B, First Regiment, N. H. N. G	100.00
Co. F, First Regiment, N. H. N. G	100.00
Co. K, First Regiment, N. H. N. G	100.00
Battery, N. H. N. G	100.00
Headquarters and band, First Regiment	100.00
Joseph Freschl Post, G. A. R	100.00
Louis Bell Post, G. A. R	100.00
Manchester War Veterans	100.00
Spanish War Veterans	100.00
Hospital corps	50.00
Band concerts	400.00
Boys' club	200.00
Orphelinat St. Pierre	300.00
West Side reading room	100.00

St. Joseph's Boys' orphanage	$300.00
Animal Rescue league	300.00
Hospice St. Vincent de Paul	300.00
Examiners of plumbers	50.00
St. John's home	300.00
Young Men's Christian association	300.00
St. Patrick's Girls' orphanage	300.00
Centennial of the name of Manchester	2,000.00
Granite base for Lincoln statue	2,500.00
	$25,000.00

LIGHTING STREETS DEPARTMENT.

Lighting streets	$64,500.00

TABULAR STATEMENT OF TAXATION BY BOARD OF ASSESSORS.

Resident and nonresident.	Polls.		Real estate, value.	Stock in trade.	Money on hand, at interest, or on deposit, value.	Horses, asses, and mules, over 18 months old.		Carriages, value.	Cows, oxen, and other neat stock over 18 months old.	
	No.	Value.				No.	Value.		No.	Value.
1893	11,835	$1,183,500	$16,003,370.00	$2,554,818.00	$425,334.00	2,777	$210,032.00	$59,516.00	551	$11,656.00
1894	12,103	1,210,300	16,956,070.00	2,421,954.00	519,500.00	2,608	200,376.00	57,526.00	452	9,618.00
1895	11,244	1,224,400	17,688,224.00	2,435,546.00	149,592.00	2,639	196,264.00	59,128.00	431	9,710.00
1896	12,583	1,258,300	18,358,266.00	2,421,862.00	147,148.00	2,644	184,790.00	57,440.00	410	9,308.00
1897	12,921	1,292,100	18,763,182.00	2,772,460.00	113,288.00	2,617	174,746.00	57,810.00	507	10,920.00
1898	12,808	1,280,800	19,175,434.00	2,782,386.00	167,160.00	2,640	171,242.00	56,668.00	551	12,400.00
1899	13,137	1,313,700	19,361,762.00	3,939,419.00	176,388.00	2,648	169,977.00	58,129.00	619	14,570.00
1900	13,759	1,375,900	19,569,249.00	3,509,072.00	1,293,585.00	2,755	174,593.00	88,500.00	704	16,690.00
1901	13,976	1,397,600	19,922,261.00	3,888,517.00	394,436.00	2,669	174,242.00	99,976.00	551	14,076.00
1902	14,079	1,407,900	19,983,327.00	3,536,583.00	1,173,222.00	2,621	180,157.00	120,369.00	519	13,414.00
1903	14,384	1,438,400	20,137,200.00	3,303,445.00	1,210,597.00	2,577	179,065.00	129,404.00	554	16,039.00
1904	14,451	1,445,100	20,465,749.00	3,400,749.00	1,258,931.00	2,483	177,580.00	126,762.00	586	15,564.00
1905	14,650	1,465,000	20,966,778.00	3,858,690.00	1,125,553.00	2,384	196,597.00	150,365.00	696	20,989.00
1906	15,481	1,548,100	22,133,160.00	4,800,392.00	195,024.00	2,288	189,238.00	159,026.00	698	19,736.00
1907	15,800	1,580,000	23,401,086.00	4,940,178.00	162,330.00	2,406	207,395.00	170,351.00	695	19,978.00
1908	16,266	1,626,600	24,034,758.00	4,714,079.00	374,506.00	2,262	201,191.00	187,240.00	721	20,310.00
1909	16,093	1,609,300	24,347,963.00	4,968,343.00	119,972.00	2,220	200,821.00	221,902.00	681	19,503.00
1910	17,261	1,726,100	25,247,605.00	5,345,478.00	260,692.00	2,545	210,434.00	281,507.00	627	18,515.00

TABULAR STATEMENT OF TAXATION BY BOARD OF ASSESSORS.—*Continued.*

Hogs.		Sheep over six months old.		Boats.	Fowls.	Stock in banks and other corporations, value.	Stock in public funds and bonds, value.	Factories and their machinery, value	Total value.	Rate of tax per hundred.	Tax levied.
No.	Value.	No.	Value.	Value.	Value.						
12	$120.00	13	$38.00	.....	$52.00	$317,600.00	$5,600.00	$6,667,906.00	$27,439,742.00	$1.85	$507,640.68
73	820.00	40	80.00	.....	316.00	230,000.00	22,100.00	6,763,050.00	28,391,710.00	1.78	505,372.44
52	524.00	29	62.00	.....	174.00	263,166.00	1,400 00	6,774,950.00	28,861,122.00	1.74	502,183 02
26	260.00	43	90.00	.....	.....	249,104.00	2,000.00	6,755,100.00	29,443,668.00	1.86	547,651.50
45	470.00	33	56 00	.....	.....	233 264.00	.....	7,068,650.00	30,486,946.00	2.08	634,127.80
69	490.00	43	64.00	.....	610.00	250,934 00	.....	7,090,300.00	30,988,488.00	1.95	604 280.57
45	418.00	11	24.00	.....	756.00	222,460.00	.....	6,294,181.00	31,491,784.00	1.95	614,096.93
35	354.00	7	14.00	.....	904.00	213,314.00	.....	6,464,589.00	32,706,794.00	1.90	621,428.47
12	92.00	6	18 00	.....	1,200.00	223,780.00	.....	6,924,919.00	33,041,112.00	1.98	654 214.00
.....	.....	8	24.00	.....	1,400.00	227,982.00	.....	6,399,956 00	33,044,334.00	2.25	743,497.53
7	100.00	.....	.....	.....	832.00	210,272.00	.....	6,194,496 00	32,819,850.00	2.10	689,217.79
2	20.00	.....	220 00	.....	410.00	185,950.00	.....	6,102,524.00	33,179,294.00	1.95	647,003.29
27	190.00	5	.16	.....	1,337.00	287,220.00	.....	6,103,731.00	34,176,466.00	2 08	710,870.13
18	224.00	.....	.....	.....	1,314.00	239,002.00	.....	6,128,294.00	35,413,510.00	1.91	676,402.89
23	272.00	.....	.....	.....	871.00	233,746.00	4,700.00	6,247,487 00	36,968,394.00	1.85	683,915.28
22	274.00	.....	.....	$700.00	810.00	250,818.00	2,200.00	6,333,222.00	37,746,708.00	1.86	702,088.28
18	195.00	.....	.....	.....	902.00	228,348.00	34,900.00	6,350,795.00	38,102,944.00	2.05	781,118.54
54	770 00	.....	.....	.....	972.00	256,153.00	57,730.00	6,475,896.00	39.881,852.00	2.01	801,628.21

Assessors' Oath.

We, the Assessors of the city of Manchester, do solemnly swear, that in making the invoice for the purpose of assessing the foregoing taxes, we appraise all taxable property at its full value, and as we would appraise the same in payment of a just debt due from a solvent debtor. *So help us God.*

Valuation and Taxes.

The amount of taxes assessed on the polls and on the real and personal estate, within the city of Manchester, N. H., for the year 1910 was as follows:

	Valuation.	Rate.	Tax.
Real estate	$31,723,501	2.01	$637,642.37
Personal property	6,432,251	2.01	129,288.24
	$38,155,752		$766,930.61
Number of polls, 17,261	1,726,100		34,694.61
	$39,881,852		$801,625.22
Fractional gain			2.99
			$801,628.21
School tax			221.10
Brown-tail moth tax			1,025.01
Property exempt from city tax only			73.86
Total tax levied			$802,948.18

The share distributed to Manchester of the amount of tax assessed, as per returns made by the corporations to state treasurer:

On railroads	$50,424.27
On savings banks	84,600.05
On insurance companies	3,819.38
On literary fund	3,921.12
Grand tax total	$945,713.00

For further information in relation to taxes collected by the state, see State Treasurer's report.

TAX VALUATIONS, ETC., FROM 1890 TO 1910, INCLUSIVE.

YEAR.	Valuation.	Taxes.	No. polls.	Poll tax.	Valuation of poll.
1890	$24,207,740	$462,809.17	9,723	$1.91	$100
1891	24,872,492	443,541.76	10,367	1.78	100
1892	25,932,044	506,465.17	10,673	1.95	100
1893	27,439,742	507,640.68	11,835	1.85	100
1894	29,391,710	505,372 44	12,103	1.78	100
1895	28,861,122	502,183.02	12,244	1.74	100
1896	29,443,668	547,651.50	12,583	1.86	100
1897	30,486,946	634,127.80	12,921	2 08	100
1898	30,988,488	604,280.57	12,808	1 95	100
1899	31,491,784	614,096 93	13,137	1.95	100
1900	32,706,794	621,428.47	13,759	1.90	100
1901	33,041,112	654,214.00	13,976	1.98	100
1902	33,034,334	743,497.53	14,079	2.25	100
1903	32,819,850	689,217.79	14,384	2.10	100
1904	33,179,294	647,003.29	14,451	1.95	100
1905	34,176,466	710,870.13	14,650	2.08	100
1906	35,413 510	676,402.89	15,481	1.91	100
1907	36,968,394	683.915 28	15,800	1 85	100
1908	37,746,708	702,088 28	16,266	1.86	100
1909	38,102,944	781,118 54	16.093	2.05	100
1910	39,881,852	801,628.21	17,261	2.01	100

Statement of Account of George E. Morrill, Tax Collector for the City of Manchester, N. H., June 1, 1910.

	Amount outstanding June 1, 1909.	Collected	Balance outstanding June 1, 1910
Tax list, 1885	$1,205.71		$1,205.71
1886	1,264.85		1,264.85
1887	1,163.94		1,163.94
1888	1,580.13		1,580.13
1889	1,395.13		1,395.13
1890	1,687.08		1,687.08
1891	1,966.63		1,966.63
1892	2,582.12		2,582.12
1893	4,095.13		4,095.13
1894	3,514.05		3,514.05
1895	5,004.92		5,004.92
1896	4,992.00		4,992.00
1897	5,296.91		5,296.91
1898	5,629.21		5,629.21
1899	5,675.09		5,675.09
1900	5,150.11		5,150.11
1901	6,068.01		6,068.01
1902	6,501.97		6,501.97
1903	7,156.57	$2.10	7,154.47
1904	6,640.28	1.95	6,638.33
1905	8,331.19	12.03	8,319.16
1906	8,796.12	27.31	8,768.81
1907	7,483.20	48.85	7,434.35
1908	8,532.46	183.76	8,348.70
Amount collected		$276.00	
Credit by cash, as per treasurer's receipt, No. 253 in 1909; and Nos. 84, 105 in 1910		$276.00	
Interest collected		$1,767.26	
Credit by cash, as per treasurer's receipt, No. 83 in year 1910		$1,767.26	
Costs collected		$2,002.80	
Credit by cash, as per treasurer's receipts, No. 257 in year 1909, and No. 82 in year 1910		$2,002.80	

DR.

1909.			
June 1.	To warrant resident list	$779,314.16	
	warrant nonresident list.....	1,804.38	
	voluntary list	952.64	
	warrant school tax	162.80	
	moth tax	1,210.21	
			$783,444.19

CR.

1909, 1910.		
By cash paid treasurer, per vouchers Nos. 95, 107, 143, 145, 159, 165, 189, 200, 212, 216, 220, 233, 258, 288 in year 1909, and 26, 30, 49, 103, 104, 119 in year 1910.....	$774,339.77	
By abatements, vouchers Nos. 207, 278 in year 1909, and 106 in 1910.....	1,589.66	
By unpaid taxes July 1, 1910.....	7,514.76	
		$783,444.19

MANCHESTER, N. H., August 6, 1910.

I hereby certify that I have examined the account of George E. Morrill, tax collector of said Manchester, and find the same correct, as above stated.

JAMES E. DODGE,
City Auditor.

TABLE OF TAXES DUE AND UNCOLLECTED.

Year.	Due January 1, 1910, assessed in 1910.	Discounts and abatements, 1910.	Collected in 1910.	Due December 31, 1910.
Taxes of 1885	$1,205.71	.....	.....	$1,205.71
" of 1886	1,264 85	.....	.....	1,264.85
" of 1887	1,163.94	.....	.....	1,163.94
" of 1888	1,580 13	.....	.....	1,580 13
" of 1889	1,395.13	.....	.....	1,395.13
" of 1890	1,687.08	.....	.....	1,687.08
" of 1891	1,966.63	.....	.....	1,966.63
" of 1892	2,582.12	.....	.....	2,582.12
" of 1893	4,095.13	.....	.....	4,095.13
" of 1894	3,514 05	.....	.....	3,514.05
" of 1895	5,004.92	.....	.....	5,004.92
" of 1896	4,992.00	.....	.....	4,992.00
" of 1897	5,296.91	.....	.....	5,296.91
" of 1898	5,629.21	.....	.....	5,629.21
" of 1899	5,675.09	.....	.....	5,675.09
" of 1900	5,150 11	.....	.....	5,150.11
" of 1901	6,068.01	.....	.....	6,068.01
" of 1902	6,501.97	.....	.....	6,501.97
" of 1903	7,156.57	.....	$2.10	7,154 47
" of 1904	6,640.28	.....	1.95	6,638.33
" of 1905	8,331.19	.....	12.03	8,319.16
" of 1906	8,796.12	.....	27.31	8,768.81
" of 1907	7,483.20	.....	48.85	7,434.35
" of 1908	8,528.74	1.85	178.19	8,348.70
" of 1909	952.64 73,047.06	446.09	66,114.61	7,439.00
" of 1910	802,948.18	1,549.17	729,181.63	72,217.38

Some Laws and Decisions Relating to Exemptions from Taxation.

CONSTITUTION OF NEW HAMPSHIRE, ARTICLE 82, PAGE 38, PUBLIC STATUTES.

ENCOURAGEMENT OF LITERATURE, ETC.

ART. 82. "Knowledge and learning generally diffused through a community being essential to the preservation of a free government and spreading the opportunities and advantages of education, through the various parts of the country, being highly conducive to promote this end, it shall be the duty of legislators and magistrates, in all future periods of this government, to cherish the interests of literature and the sciences, and all seminaries and public schools; to encourage private and public institutions, rewards, and immunities for the promotion of agriculture, arts, sciences, commerce, trades, manufactures, and natural history of the country; to countenance and inculcate the principles of humanity and general benevolence, public and private charity, industry and economy, honesty and punctuality, sincerity, sobriety, and all social affections and generous sentiments among the people; *provided, nevertheless*, that no money raised by taxation shall ever be granted or applied for the use of schools or institutions of any religious sect or denomination."

PUBLIC STATUTES, CHAPTER 55.

"SECT. 2. Real estate, whether improved or unimproved, and whether owned by residents or others, is liable to be taxed, except houses of public worship, twenty-five hundred dollars of the value of parsonages owned by religious societies and occupied by their pastors, schoolhouses, seminaries of learning, real estate of the United States, state or town used for public purposes, and almshouses on county farm."

"SECT. 11. Towns may by vote exempt from taxation for a term not exceeding ten years any manufacturing establishment proposed to be erected or put in operation therein, and the capital to be used in operating the same, unless such establishment has been previously exempted from taxation by some town;" *provided, however*, that the assessors shall annually appraise such property and the valuation determined upon for the same shall be added to the valuation of all other property in the town to determine the total valuation for the purposes of state and county taxes.

OPINION OF THE SUPREME COURT.

58 N. H. Rep., page 623. "The exemption in each case is limited to ten years. A perpetual alienation of the whole power of taxation

would be the destruction of government; and the dangerous tendency of legislation suspending any part of that power, for any period, is manifest. *P. Bank* v. *Billings*, 4 Pet. 514, 561. So long as the existing laws remain unrepealed, and the constitutional construction heretofore adopted remains unchanged, contracts hereafter made under these laws and that construction will be valid. If the legislature for any reason wish to prevent the making of any more such contracts, their object can be accomplished by a repeal of the laws authorizing them."

Hospitals, etc., are exempt from taxation in their respective charters as "being of the nature of a public charity," as follows:

Gale Home for Aged and Destitute Women, N. H. Laws of 1899, chapter 199.

Elliot Hospital, N. H., Laws of 1881, chapter 178.

Manchester Woman's Aid and Relief Society, organized in January, 1875, N. H. Laws, 1891, chapter 283.

Orphanage and Home for Old Ladies (Catholic) on Hanover street, N. H. Laws, 1883, chapter 56.

Schedule of Property used for Religious, Charitable and Educational Purposes, and Exempt from Taxation by Law, not including that owned by the City of Manchester.

Convent, Sisters Jesus-Mary, French Catholic; East Spruce street, near Beech:		
Building	$10,000.00	
13,000 square feet of land	2,600.00	
		$12,600.00
Convent, Sisters of Mercy, Catholic; 415 Union street, corner Laurel:		
Building	$30,000.00	
12,600 square feet of land	6,300.00	
		$36,300.00
Mount St. Mary's Academy, Catholic; from convent lot east to Beech street:		
Building	$25,000.00	
31,500 square feet of land	9,450.00	
		$34,450.00
Lot south side of Laurel street, corner of Union street, Catholic; McDonald school:		
Building	$35,000.00	
10,800 square feet of land	5,000.00	
		$40,000.00

Hospital of the Sacred Heart and Old Ladies' Home, Catholic; Amherst and Hanover streets:		
Building	$14,000.00	
40,500 square feet of land	30,375.00	
		$44,375.00
St. Patrick's Orphan Asylums, Catholic; 184 Hanover street:		
Building	$47,000.00	
40,500 square feet of land	40,500.00	
		$87,500.00
St. Joseph's High School, Catholic; Lowell street, corner of Birch:		
Building	$12,000.00	
8,000 square feet of land	8,000.00	
		$20,000.00
Union-street school, Catholic; corner of Union and Laurel streets:		
Building	$4,000.00	
5,000 square feet of land	2,500.00	
		$6,500.00
St. Agnes' School, Catholic; corner Cedar and Pine streets:		
Building	$12,000.00	
20,000 square feet of land	3,200.00	
		$15,200.00
St. Joseph's school for girls, Catholic; corner Pine and Lowell streets:		
Building	$10,000.00	
Land included in cathedral lot.		
		$10,000.00
Convent of Holy Angels, French Catholic; Beauport street, corner Wayne, West Manchester:		
Building	$15,000.00	
22,500 square feet of land	4,500.00	
		$19,500.00
St. George's school, French Catholic; corner Pine and Orange streets:		
Building	$30,000.00	
10,000 square feet of land	5,000.00	
		$35,000.00
Monastery of the Precious Blood; 555 Union street:		
Building	$2,500.00	
6,750 square feet of land	2,025.00	
		$4,525.00
Orphanage school, Beauport, Wayne, and Putnam streets; French Catholic:		
Building	$25,000.00	
30,000 square feet of land	6,000.00	
		$31,000.00

St. Augustine's academy, French Catholic; corner Beech and Spruce streets:		
Building	$8,000.00	
15,000 square feet of land	4,500.00	
		$12,500.00
St. Marie's parochial school, French Catholic; corner Wayne and Cartier streets:		
Building	$12,000.00	
25,000 square feet of land	2,000.00	
		$14,000.00
Residence priest St. Augustine's church, French Catholic; 383 Beech street:		
Building	$6,000.00	
7,500 square feet of land	1,875.00	
		$2,500.00
	$7,785.00	
Orphan Children's school, parish of St. Augustine; 251, 253 Lake avenue:		
Building	$12,000.00	
10,000 square feet of land	5,000.00	
		$17,000.00
Holy Rosary school; 30 Cedar street:		
Building	$8,750.00	
2,500 square feet of land	1,250.00	
		$10,000.00
Residence priest St. Anne's church, Catholic; 231 Merrimack street:		
Building	$5,000.00	
8,820 square feet of land	2,646.00	
		$2,500.00
	$7,646.00	
Residence of Catholic bishop; 145 Lowell street:		
Building	$40,000.00	
24,000 square feet of land	12,000.00	
		$2,500.00
	$52,000.00	
Residence priest St. George's church, French Catholic; Orange street, corner Pine:		
Building	$2,500.00	
10,000 square feet of land	4,000.00	
		$2,500.00
	$6,500.00	
Residence priest St. Mary's church, French Catholic; 376 Beauport street, West Manchester:		
Building	$2,500.00	
5,000 square feet of land	1,000.00	
		$2,500.00
	$3,500.00	

St. Anne's church, Catholic; Union street, corner Merrimack:		
Building	$30,000.00	
10,180 square feet of land	5,090.00	
		$35,090.00
St. Augustine's church, French Catholic; Beech street, corner East Spruce:		
Building	$28,000.00	
13,000 square feet of land	3,250.00	
		$31,250.00
St. Joseph's cathedral and chapel, Catholic; Pine street, corner Lowell:		
Building	$70,000.00	
40,000 square feet of land	30,375.00	
		$100,375.00
St. Marie's church, French Catholic; Beauport street, corner Wayne, West Manchester:		
Building	$25,000.00	
70,000 square feet of land	14,000.00	
		$39,000.00
St. Raphael's church and school, German Catholic; Third street, corner Ferry, West Manchester:		
Building	$35,000.00	
8,000 square feet of land	3,400.00	
		$38,400.00
St. George's church, French Catholic; Pine street, corner Orange:		
Building	$75,000.00	
18,690 square feet of land	7,614.00	
		$82,614.00
St. Patrick's church and school, Catholic; Kelley street, Cartier street, and Coolidge avenue:		
School building	$20,000.00	
56,281 square feet of land	4,502.00	
		$24,502.00
St. Antoine de Padoue church, Catholic; 260 Belmont street:		
Building	$4,000.00	
		$4,000.00
Residence priest St. Antoine de Padoue church, Catholic; 258 Belmont street:		
Building	$5,500.00	
Land	4,000.00	
		$2,500.00
	$9,500.00	

St. Hedwidge church, Polish Catholic; Merrimack, corner Pine street:		
Building	$3,000.00	
Land	6,000.00	
		$9,000.00
Residence priest St. Hedwidge church, same lot:		
Building	$4,000.00	
		$2,500.00
First Baptist church; Union street, corner Concord:		
Building	$28,000.00	
11,250 square feet of land	6,750.00	
		$34,750.00
First Freewill Baptist church; Merrimack street, corner Chestnut:		
Building	$12,400.00	
12,600 square feet of land	12,600.00	
		$25,000.00
Second Baptist church, Merrimack street, near Pine:		
Building	$9,000.00	
9,450 square feet of land	3,780.00	
		$12,780.00
People's Baptist church; Chestnut street, corner Concord:		
Building	$8,000.00	
3,200 square feet of land	2,000.00	
		$10,000.00
First Congregational church; Hanover street, corner Union:		
Building	$30,000.00	
43,200 square feet of land	34,560.00	
		$64,560.00
Second Congregational church; Market street, corner Franklin:		
Building	$25,000.00	
19,000 square feet of land	19,000.00	
		$44,000.00
Third Congregational church; South Main street, corner Milford, West Manchester:		
Building	$8,000.00	
33,000 square feet of land	3,000.00	
		$11,000.00
First M. E. church; Valley street, corner Jewett:		
Building	$8,000.00	
11,400 square feet of land	1,000.00	
		$9,000.00

St. Paul's M. E. church; Union street, corner Amherst:		
Building	$25,000.00	
10,010 square feet of land	6,000.00	
		$31,000.00
Trinity M. E. church; School street:		
Building	$2,000.00	
12,176 square feet of land	3,000.00	
		$5,000.00
St. James M. E. church; Pennacook street, corner Pine:		
Building	$9,000.00	
11,000 square feet of land	2,200.00	
		$11,200.00
Grace church, Episcopal; Lowell street, corner Pine:		
Building	$20,000.00	
9,300 square feet of land	6,975.00	
		$26,975.00
First Unitarian church, Concord street, corner Beech:		
Building	$24,000.00	
13,500 square feet of land	6,000.00	
		$30,000.00
First Universalist church; Lowell street, near Elm:		
Building	$17,000.00	
10,000 square feet of land	15,000.00	
		$32,000.00
Christian church, Protestant; Hall street, corner Merrimack:		
Building	$9,000.00	
Land	1,000.00	
		$10,000.00
First Presbyterian church, German; Second street, corner Bath, West Manchester:		
Building	$3,000.00	
10,000 square feet of land	2,500.00	
		$5,500.00
Swedish Lutheran church, Protestant; Sagamore, corner Pine:		
Building	$7,500.00	
10,950 square feet of land	2,000.00	
		$9,500.00
Swedish Evangelical Mission; Pine street, corner Orange:		
Building	$6,500.00	
Land	4,100.00	
		$10,600.00
Swedish Baptist church; Arlington street, near Maple:		
Building	$5,000.00	
4,432 square feet of land	1,100.00	
		$6,100.00

Second Advent church; Amherst street, between Pine and Union:		
Building	$5,100.00	
4,500 square feet of land	3,375.00	
		$8,475.00
City Mission chapel, Protestant; Merrimack street, corner Beech:		
Building	$7,000.00	
12,600 square feet of land	6,000.00	
		$13,000.00
Westminster Presbyterian church; Brook street, corner Hazel:		
Building	$15,000.00	
10,000 square feet of land	2,500.00	
		$17,500.00
South Manchester Union chapel, Protestant; Elm street, south:		
Building	$2,500.00	
10,747 square feet of land	1,000.00	
		$3,500.00
First Church of Christ, Scientist; Harrison street, corner Albert:		
Building	$14,000.00	
Land	5,000.00	
		$19,000.00
Episcopal Mission church; North Main street, corner School, West Manchester:		
Building	$3,500.00	
19,412 square feet of land	4,000.00	
		$7,500.00
Residence pastor St. Paul's M. E. church; Union street, near Amherst:		
Building	$3,000.00	
		$2,500.00
Residence pastor First Congregational church; 590 Beech street, near Bridge:		
Building	$5,000.00	
8,100 square feet of land	2,400.00	
		$2,500.00
	$7,400.00	
Residence pastor Grace Episcopal church; corner of Harrison and Union streets:		
Building	$6,000.00	
15,000 square feet of land	3,750.00	
		$2,500.00
	$9,750.00	

German School Society; Third, Bath, and Ferry streets:		
Building	$4,500.00	
10,087 square feet of land	2,500.00	
		$7,000.00
Elliot Hospital, Protestant; East Manchester:		
Building	$23,000.00	
Land	7,000.00	
		$30,000.00
Elliot Hospital lot; Hanover street, corner Chestnut:		
Building	$3,000.00	
Land	13,000.00	
		$16,000.00
Elliot Hospital:		
Land and buildings, Main street	$4,000.00	
Land and buildings, Quincy street	2,500.00	
		$6,500.00
Women's Aid Home; Pearl street, corner Beech:		
Building	$15,000.00	
57,530 square feet of land	10,000.00	
		$25,000.00
Women's Aid Home; Bridge street, corner Chestnut:		
Buildings	$9,000.00	
6,037.5 square feet of land	3,000.00	
		$12,000.00
Manchester Children's Home; Webster street:		
Building	$20,000.00	
55,000 square feet of land	2,500.00	
		$22,500.00
Residence pastor Swedish Lutheran church; Sagamore street, corner Pine:		
Building	$3,000.00	
10,200 square feet of land	1,020.00	
		$2,500.00
	$4,020.00	
Gale Home:		
One half Martin's block, Elm street	$25,000.00	
Land and building, Pearl street, corner Ash	25,000.00	
		$50,000.00
Masonic Home, Beech street:		
Building	$17,000.00	
56,700 square feet of land	7,500.00	
		$24,500.00
One half land and buildings, 193 Pearl street	$1,750.00	
One half land and buildings, 266 Pearl street	900.00	

One half land and buildings, 270 Pearl street	$900.00	
One half land and buildings, 274 Pearl street	900.00	
One half five acres of land on North Union street	325.00	
		$4,775.00

EXEMPT FROM TAXATION.

Church property, Catholic	$364,231.00	
Convent property, Catholic	72,925.00	
Parochial residences, Catholic	17,500.00	
Parochial schools, Catholic	235,650.00	
Hospitals and other charitable institutions	131,875.00	
		$822,181.00
Church property, Protestant	$457,940.00	
Parochial residences, Protestant	10,000.00	
Private school property, Protestant	7,000.00	
Hospitals and other charitable institutions	191,275.00	
		$666,215.00
Total		$1,488,396.00

TAXABLE.

Land and buildings, Catholic	$73,431.00	
Land and buildings, Protestant	14,170.00	
		$87,601.00
Total exempt and taxable		$1,575,997.00

STATEMENT IN RELATION TO THE BONDED DEBT OF THE CITY OF MANCHESTER, N. H.

Date of issue.	Description.	Number.	Denomination.	Amount.	Total.	Date when the principal is payable	Interest. Rate per ct.	When payable.	Where payable.
Dec. 16, 1895	Water bonds.	50	$1,000	$50 000	$50,000	December 16, 1915	4	Semiannual	At Suffolk Bank, Boston, Mass.
Oct. 1, 1884	" "	50	1,000	50,000	50,000	October 1, 1914	4	"	" " "
Nov. 1, 1893	" "	100	1,000	100,000	100,000	November 1, 1913	4 1-2	"	" " "
Aug. 1, 1893	" "	100	1,000	100,000	100,000	August 1, 1913	5	"	" " "
Jan. 1, 1892	" "	100	1 000	100,000	100,000	January 1, 1912	4	"	" " "
Jan. 1, 1897 Refunded	" "	100	1,000	100,000	100,000	" 1, 1917	4	"	" " "
July 1, 1890 Refunded	" "	100	1,000	100,000	100,000	" 1, 1915	4	"	" " "
July 1, 1881	Bridge bonds.	15	100	1,500	.....	" 1, 1911	4	"	At Treas'r Office, Manchester, [N. H.
" 1, 1881	" "	39	500	19,500	.....	July 1, 1911	4	"	" " "
" 1, 1881	" "	39	1,000	39.000	.....	" 1, 1911	4	"	" " "
					60,000				
April 1, 1905	City bonds.	50	1,000	50,000	50,000	April 1, 1925	3 1-2	"	At Suffolk Bank, Boston, Mass.
" 1, 1907	" "	50	1,000	50,000	50,000	" 1, 1927	4	"	" " "
" 1, 1909	" "	50	1,000	50,000	50,000	" 1, 1929	3 1-2	"	" " "
" 1, 1885	" "	5	1,000	5,000	5 000	April 1, 1911	4	"	" " "
July 1, 1893	Improv'm't bonds	100	1,000	100,000	100,000	January 1 1913	4	"	" " "
June 1, 1894	" "	100	1,000	100,000	100,000	April 1, 1914	4	"	" " "

April	1, 1895	Improv'm't bonds	100	1,000	100,000	100,000	April	1, 1915	4	Semiannual	At Suffolk Bank, Boston, Mass.	
"	1, 1896	" "	100	1 000	100,000	100,000	"	1, 1916	4	"	" "	"
April	1, 1910	" "	100	1,000	100,000	100,000	"	1, 1930	3 1-2	"	" "	"
July	1, 1895	School bonds.	50	1,000	50,000	50,000	$10,000 July 1, 1911 and $10,000 annually thereafter		4	"	" "	"
"	1, 1896	" "	40	1 000	40,000	40 000	July	1, 1916	4	"	" "	"
April	1, 1899	City bonds.	100	1,000	100,000	100,000	April	1, 1919	3 1-2	"	" "	"
July	1, 1902	Municipal bonds.	80	1,000	80,000	80,000	July	1, 1922	3 1-2	"	" "	"
October	1, 1910	Cemetery bonds	21	1,000	21,000	21,000	October	1, 1930	3 1-2	"	" "	"
						$1,606,000						

REMARKS.—The city guarantees the perpetual care of lots in the cemeteries of the city to parties who pay $100 and upward. There are $50,000 in cemetery bonds, so called, not negotiable, in the hands of the city treasurer, which are not included in the $1,606,000.

Total amount of bonded debt, including cemetery bonds	$1,656,000.00
Net indebtedness for water purposes	600,000.00
Net debt after deducting water debt	$1,056,000.00
As shown in the assessors' books for the year 1910.	
The assessed value of personal property, including poll tax	$8,158,351.00
The assessed value of real estate	31,723,501.00
Total value for taxation	$39,881,852.00
Tax rate, 2.01 percent on a hundred.	
Percent of net indebtedness (excluding debt for water purposes) to assessed valuation	2.65
Percent of net indebtedness (including debt for water purposes) to assessed valuation	4.15
Population, census of 1910	70,063

No issue of bonds has ever been contested.

The interest on the debt has always been promptly paid at maturity.

None of the bonds are stated specifically as being payable in gold.

None of the bonds can be called for redemption.

A sinking fund was established in 1893.

Total amount of sinking fund December 31, 1910, $695,325.42.

The power of the city to borrow money in relation to the water-works is limited to the sum of $600,000 by section 6, chapter 70, New Hampshire Laws of 1871 entitled, "An act to enable the city of Manchester to establish water-works," except as further extended an amount of $200,000 by laws of 1891, chapter 26; and $200,000 by laws of 1895, chapter 172.

SUMMARY OF CITY DEBT.

Amount of debt January 1, 1910	$1,645,000.00
Bonds issued during year	121,000.00
Accrued interest on bonded debt, December 31, 1910	23,978.00
	$1,789,978.00
Amount of bonded debt paid in 1910	110,000.00
Total indebtedness December 31, 1910	$1,679,978.00

AVAILABLE ASSETS.

Net cash on hand December 31, 1910	$126,281.64
Taxes uncollected, list of 1910	72,217.38
Stock of Suncook Valley Railroad, estimated value	30,000.00
Sinking fund December 31, 1910	695,325.42
	$923,824.44

STATEMENT OF THE ANNUAL INTEREST CHARGE ON THE BONDED DEBT.

Year.	Six percent water bonds.	Four percent water bonds.	Four and a half and five percent water bonds.	Five percent cemetery bonds.	Six percent to fund debt.	Four percent to build McGregor bridge.	Four percent to fund debt.	Four perct. improvement bonds and 3 1-2 percent city bonds.	Four percent school bonds and Granite bridge.	Total of annual interest.
1890	$27,000	$6,000	.....	$623.75	$7,000	$2,400	$6,200	.....	.....	$49,423.75
1891	4,000	8,000	.....	813.92	7,200	2,400	6,200	.....	.....	48,613.92
1892	18,000	12,000	.....	1,000.00	7,200	2,400	6,200	.....	.....	46,800.00
1893	18,000	12,000	.....	1,041.66	7,200	2,400	6,200	.....	...	46,841.66
1894	18,000	14,000	$9,500	1,550.00	.....	2,400	6,200	$8,000	.....	59,650.00
1895	18,000	16,000	9,500	1,812.50	.....	2,400	6,200	12,000	$4,800	68,712.50
1896	12,000	20,000	9,500	2,112.50	.....	2,400	6,200	16,000	14,400	82,612.50
1897	9,000	22,000	9,500	2,500.00	.....	2,400	6,200	16,000	13,000	80,600.00
1898	6,000	24,000	9,500	2,500.00	.....	2,400	6,200	16,000	13,000	79,000.00
1899	6,000	24,000	9,500	2,500.00	.....	2,400	6,200	19,500	11,400	81,500.00
1900	6,000	24,000	9,500	2,500.00	.....	2,400	6,200	19,500	10,520	80,620.00
1901	6,000	24,000	9,500	2,500.00	.....	2,400	6,200	19,500	8,800	78,900.00
1902	3,000	24,000	9,500	2,500.00	.....	2,400	6,200	20,850	8,200	76,650.00
1903	.....	24,000	9,500	2,500.00	.....	2,400	6,200	22,300	6,400	73,300.00
1904	.....	24,000	9,500	2,500.00	.....	2,400	6,200	22,300	6,000	72,900.00
1905	.....	24,000	9,500	2,500.00	...	2,400	4,200	24,050	5,600	72,250.00
1906	.....	24,000	9,500	2,500.00	.....	2,400	4,200	24,050	5,200	71,850.00
1907	.....	20,000	9,500	2,500.00	...	2,400	4,200	24,050	4,800	67,450.00
1908	.....	20,000	9,500	2,500.00	.....	2,400	4,200	24,050	4,400	67,050.00
1909	.....	20,000	9,500	2,500.00	.....	2,400	4,200	23,050	4,000	65,650.00
1910	.....	20,000	9,500	2,500.00	.....	2,400	4,200	22,650	4,000	65,250.00

Valuation of Real Estate Owned by the City.

High school, Beech street, corner Lowell:		
Building	$170,000.00	
59,400 square feet of land	17,820.00	
		$187,820.00
Franklin-street school, Franklin street, corner Pleasant:		
Building	$16,000.00	
19,200 square feet of land	19,200.00	
		$35,200.00
Spring-street school, Spring street:		
Building	$13,000.00	
13,600 square feet of land	13,600.00	
		$26,600.00
Lincoln-street school, Lincoln street, corner Merrimack:		
Building	$45,000.00	
40,000 square feet of land	8,000.00	
		$53,000.00
Ash-street school, Ash street, corner Bridge:		
Building	$50,000.00	
57,537 square feet of land	17,262.00	
		$67,262.00
Main-street school, North Main street, West Manchester:		
Building	$6,000.00	
40,293.4 square feet of land	10,073.00	
		$16,073.00
Webster-street school, Webster street:		
Building	$39,000.00	
55,714¾ square feet of land	13,928.00	
		$52,928.00
Blodget-street school, Blodget street:		
Building	$1,500.00	
9,000 square feet of land	3,600.00	
		$5,100.00
Lowell-street school, Lowell street, corner Chestnut:		
Building	$1,000.00	
9,000 square feet of land	9,000.00	
		$10,000.00
Merrimack-street school, Merrimack street, corner Union:		
Building	$15,000.00	
12,600 square feet of land	6,300.00	
		$21,300.00
Parker school, South Main street, West Manchester:		
Building	$20,000.00	
13,650 square feet of land	2,047.00	
		$22,047.00

Bakersville school, Elm street, south:		
Building	$27,592.00	
24,184 square feet of land	3,628.00	
		$31,220.00
Stark District school, River road, north:		
Building	$1,000.00	
43,560 square feet of land	100.00	
		$1,100.00
Amoskeag school, Front street, Amoskeag:		
Building	$8,000.00	
6,000 square feet of land	1,000.00	
		$9,000.00
Rimmon school, corner Amory and Dubuque streets:		
Building	$24,795.00	
16,600 square feet of land	2,490.00	
		$27,285.00
Goffe's Falls school, Goffe's Falls:		
Building	$11,000.00	
47,916 square feet of land	250.00	
		$11,250.00
Harvey District school, Nutt road:		
Building	$2,000.00	
21,780 square feet of land	100.00	
		$2,100.00
Webster Mills school, Webster Mills:		
Building	$400.00	
5,445 square feet of land	100.00	
		$500.00
Old Hallsville school, East Manchester:		
Building	$500.00	
30,075 square feet of land	3,008.00	
		$3,508.00
Youngsville school, Youngsville:		
Building	$9,000.00	
51,228 square feet of land	100.00	
		$9,100.00
Mosquito Pond school, Mosquito Pond:		
Building	$400.00	
10,890 square feet of land	100.00	
		$500.00
Pearl-street school:		
Building	$18,700.00	
Land	3,200.00	
		$21,000.00
Varney school, Bowman street, corner Mast, West Manchester:		
Building	$43,750.00	
Land	6,700.00	
		$50,450.00

New Hallsville school, Jewett street, corner Young, East Manchester:		
Building	$47,800.00	
44,000 square feet of land	3,300.00	
		$51,100.00
Straw school, Chestnut street, corner Harrison:		
Building	$30,000.00	
32,400 square feet of land	16,200.00	
		$46,200.00
New Wilson school, Wilson, Cedar, and Auburn streets:		
Building	$30,000.00	
40,000 square feet of land	5,000.00	
		$35,000.00
South Manchester school, Titus avenue:		
Building	$12,000.00	
48,400 square feet of land	1,000.00	
		$13,000.00
Chandler school, Concord street, corner Ashland:		
Building	$37,300.00	
23,239 square feet of land	4,675.00	
		$41,975.00
		$842,518.00

ENGINE-HOUSES.

Engine-house and stable, Central Station, Vine street:		
Building	$31,800.00	
21,718.86 square feet of land	25,438.00	
		$57,238.00
North Main-street engine-house, North Main street, West Manchester:		
Building	$18,000.00	
11,819 square feet of land	2,955.00	
		$20,955.00
Webster-street engine-house, Webster street, corner Chestnut:		
Building	$12,000.00	
8,510 square feet of land	2,180.00	
		14,180.00
Merrimack engine-house, Lake avenue:		
Building	$15,000.00	
10,000 square feet of land	3,000.00	
		$18,000.00
Hosehouse and cottage, Maple street, corner East High:		
Building	$3,000.00	
18,330 square feet of land	3,666.00	
		$6,666.00

Engine-house and wardroom, ward 9, Rimmon and Amory streets, West Manchester:		
Building	$22,755.00	
6,000 square feet of land	870.00	
		$23,625.00
South Manchester hosehouse:		
Building	$4,200.00	
4,278 square feet of land	684.00	
		$4,884.00
Engine-house, Concord street, corner Weston:		
Building	$6,800.00	
15,000 square feet of land	1,000.00	
		$7,800.00
Hosehouse and wardroom, Somerville street:		
Building	$15,000.00	
10,527.75 square feet of land	950.00	
		$15,950.00
		$169,298.00

OTHER PUBLIC BUILDINGS AND LOTS.

City Library, Dean avenue, corner Franklin street:		
Building	$35,000.00	
15,000 square feet of land	30,000.00	
		$65,000.00
City Hall, Elm street, corner Market:		
Building	$20,000.00	
100,000 square feet of land	150,000.00	
		$170,000.00
City farm, Mammoth road:		
Building	$5,000.00	
40.27 acres, west Mammoth road	40,270.00	
81.55 acres, east Mammoth road	65,240.00	
		$110,510.00
Court house, Franklin street, corner West Merrimack:		
Building	$20,000.00	
19,000 square feet of land	57,000.00	
		$77,000.00
Battery building, Manchester street:		
Building	$13,000.00	
3,400 square feet of land	5,100.00	
		$18,100.00
Police station, Manchester street, corner Chestnut:		
Building	$40,000.00	
7,500 square feet of land	15,000.00	
		$55,000.00

Slayton lot, Manchester street:		
Police patrol stable	$4,000.00	
Building	300.00	
2,908 square feet of land	4,700.00	
		$9,000.00
City stable and other buildings, Franklin street:		
Building	$15,950.00	
44,656 square feet of land	89,312.00	
		$105,262.00
City yard, Lincoln, Hayward, Maple, and Valley streets:		
231,000 square feet of land		$15,000.00
Police station, Clinton street, West Manchester:		
Building	$3,500.00	
3,790 square feet of land	1,000.00	
		$4,500.00
Ward 5 wardroom, Lake avenue:		
Building	$4,500.00	
Land	1,000.00	
		$5,500.00
City stable, district No. 10		$1,200.00
City scales, Franklin street:		
Building		$300.00
Gravel lots, Goffstown:		
2 acres		$400.00
Gravel lot, Youngsville:		
1 acre		$500.00
Gravel lot, East Manchester		$800.00
		$638,072.00

Personal Property Owned by the City.

Property in care city engineer	$1,350.00
chief engineer fire department	131,780.00
street & Park commission (estimated)	32,336.67
superintendent of schools	37,049.00
city messenger	3,000.00
chief of police and janitor	7,250.00
trustees city library	30,000.00
superintendent of Pine Grove cemetery	2,246.87
superintendent of Valley cemetery	437.80
Stock in Suncook Valley Railroad, in care of city treasurer	30,000.00
Personal property in care city weigher	1,000.00
	$276,450.34
Uncollected taxes in 1910	72,217.38
Net cash in treasury, December 31, 1910	126,281.64
	$198,499.02

Other Real and Personal Estate Owned by the City.

Soldiers' monument	$25,000.00
Amoskeag bridge over Merrimack river	25,000.00
Fountains and water-troughs on streets and commons	3,600.00
City tomb	10,000.00
McGregor bridge	90,000.00
Granite bridge	130,000.00
South Main-street bridge, over Piscataquog river	28,450.00
Second-street bridge, over Piscataquog river	52,036.00
Granite-street bridge, over B. & M. R. R.	6,000.00
Print-Works bridge, on Granite, over lower canal	10,000.00
Two bridges in highway district No. 9	2,000.00
One bridge at Goffe's Falls	3,500.00
Expended on construction of sewers	905,817.00
	$1,291,403.00

PARKS AND CEMETERIES.

Valley cemetery, 19.7 acres	$200,000.00
Pine Grove cemetery, Ursula chapel	16,000.00
Pine Grove cemetery, about 192.316 acres	73,172.00
Amoskeag cemetery, 1.23 acres	4,340.00
Stark park, 28 acres	9,000.00
Derryfield park, 76 acres	25,000.00
Concord common, 4.48 acres	200,000.00
Tremont common, 2.25 acres	40,000.00
Hanover common, 3 acres	100,000.00
Park common, 3.49 acres	60,000.00
Merrimack common, 5.89 acres	200,000.00
Wagner's park, 9.85 acres	12,000.00
Land on Piscataquog river	3,500.00
Lafayette park, 90,500 square feet	13,500.00
Prout park, 5.73 acres	15,000.00
East Side park, 19,306.46 square feet	4,000.00
	$976,512.00

WATER-WORKS.

Real estate and personal property of water-works, at cost price	$2,043,799.02

RECAPITULATION.

Real estate owned by the city, schoolhouses	$842,518.00
Real estate owned by city	638,072.00
Real estate owned by city, engine-houses	169,298.00
Water-works at cost price	2,043,799.02

Personal property owned by the city	$276,450.34
Uncollected taxes and cash	198,499.02
Other real and personal property	1,291,403.00
Parks and cemeteries	976,512.00
	$6,436,551.38

PROPERTY ACCOUNT.

Inventory of assets, December 31, 1910	$6,436,551.38
Inventory of assets, December 31, 1909	6,219,874.91
Gain in valuation	$216,676.47

Auditor's Office.

City hall building. Open from 9 to 12 A. M., 1.30 to 5 P. M.

In every bill presented to the city auditor for his approval, the following points will be considered and passed upon:

1. Is the subject matter of the bill under examination within the scope of the powers conferred by the legislature on the city government?

2. Is the bill certified by the party legally authorized to make the contract, or cause the expenditure to be made?

3. Has any appropriation been made to meet the expenditure, and is there a balance unexpended sufficient to pay this bill?

4. Are the number of articles in the bill, or the measurements, either of dimensions, quantities or weights, correctly and fully stated, and is the proof of the delivery to the city of the whole amount charged sufficient?

5. Is the price charged a fair market price, or is it so largely in excess as to require the attention of the city councils to be called to the same?

6. Is the bill written in a fair, legible hand, correctly cast, and on paper of sufficient length and width to admit of its proper backing and filing?

7. If the bill is in part payment of a contract, the date and the total amount of the contract, the amount already paid, the amount of the work not yet completed, and the percent retained, if any, should be stated in the bill.

8. Any other inquiries in matters of law and fact which affect the question of indebtedness before the auditor.

9. Approval, rejection or suspension for further information or correction as the circumstances of each case may require.

ARC AND TUNGSTEN ELECTRIC LIGHTS.

ARC AND TUNGSTEN ELECTRIC LIGHTS.

List of Arc Lights Used by the City of Manchester.

No.	1.	A street, opposite No. 73,	arm.
	2.	A and South Main,	"
	3.	Adams and Cartier,	"
	4.	Amherst and Elm,	"
	5.	Amherst and Vine,	"
	6.	Amherst and Chestnut,	"
	7.	Amherst and Pine,	"
	8.	Amherst, opposite Y. M. C. A. building,	"
	9.	Amherst and Union,	"
	10.	Amherst and Beech,	"
	11.	Amherst and Ash,	"
	12.	Amherst and Maple,	"
	13.	Amherst and Dutton,	"
	14.	Amherst and Lincoln,	"
	15.	Amherst and Ashland,	"
	16.	Amherst and Hall,	"
	17.	Amory and Morgan,	"
	18.	Amory and Essex,	"
	19.	Amory and Alsace,	"
	20.	Amory, near Montgomery,	"
	21.	Amory and Amory street extension,	"
	22.	Amory and Rimmon,	pole.
	23.	Amory and Dubuque,	"
	24.	Amory and Beauport,	"
	25.	Amory and Main,	arm.
	26.	Amoskeag bridge, west,	pole.
	27.	Amoskeag bridge, east,	"
	28.	Amoskeag and Front,	"
	29.	Appleton and Elm,	arm.
	30.	Appleton and North Adams,	pole.
	31.	Appleton and Union,	arm.
	32.	Arlington and Russell,	"
	33.	Arlington and Warren,	"
	34.	Arlington and Ashland,	"
	35.	Auburn and Elm,	"

No.	36.	Auburn and Chestnut,	arm.
	37.	Auburn and Pine,	"
	38.	Auburn and Union,	pole.
	39.	Auburn and Beech,	"
	40.	Auburn and Maple,	"
	41.	Auburn and Lincoln,	arm
	42.	Auburn and Wilson,	"
	43.	Auburn and Canton,	"
	44.	Auger avenue and Nutt road,	"
	45.	Baker and Brown avenue,	"
	46.	Baker and Elm,	"
	47.	Baker and Calef road,	"
	48.	Bath and Second,	pole.
	49.	Beech and Portsmouth Railroad,	arm.
	50.	Beech and Lawrence Railroad,	"
	51.	Bell and Wentworth,	"
	52.	Bismarck and Sylvester,	pole.
	53.	Blaine and Maine,	arm.
	54.	Blaine and Third,	"
	55.	Blaine and Second,	"
	56.	Blodget and Elm east back,	"
	57.	Blodget and Pine,	"
	58.	Blodget and Union,	"
	59.	Blodget and Walnut,	"
	60.	Blodget and Beech,	"
	61.	Blodget and Ash,	"
	62.	Blodget and Oak,	"
	63.	Blodget and Russell,	"
	64.	Bow and Bartlett,	"
	65.	Boynton street, opposite No. 135,	"
	66.	Bowman place and Tilton,	"
	67.	Bowman street, opposite No. 172,	"
	68.	Bremer and Dubuque,	"
	69.	Bridge and McGregor,	"
	70.	Bridge and Canal,	"
	71.	Bridge and Elm,	"
	72.	Bridge and Birch,	"
	73.	Bridge and Chestnut,	"
	74.	Bridge and Pine,	"
	75.	Bridge and Union,	"
	76.	Bridge and Walnut,	"
	77.	Bridge and Beech,	"
	78.	Bridge and Ash,	"
	79.	Bridge and Maple,	"
	80.	Bridge and Nashua,	"
	81.	Bridge and Malvern,	"

No. 82.	Bridge and Linden,	arm.
83.	Bridge and Hall,	"
84.	Bridge and Belmont,	"
85.	Bridge and Weston,	"
86.	Bridge and Highland,	"
87.	Bridge and Mammoth road,	"
88.	Brown avenue and Elm,	"
89.	Brown avenue, opposite No. 445,	"
90.	Brook and Elm,	"
91.	Brook and Chestnut,	"
92.	Brook and Pine,	"
93.	Brook and Hazel,	pole.
94.	Brook and Union,	arm.
95.	Brook and Walnut,	"
96.	Brook and Beech,	"
97.	Brook and Maple,	pole.
98.	C and B,	"
99.	Campbell and Union,	arm.
100.	Candia road and Mammoth road,	"
101.	Carpenter and Elm,	"
102.	Carpenter and Chestnut,	"
103.	Carpenter and Union,	"
104.	Cedar and Canal,	"
105.	Cedar and Franklin,	pole.
106.	Cedar and Elm,	arm.
107.	Cedar and Chestnut,	"
108.	Cedar and Pine,	"
109.	Cedar and Union,	"
110.	Cedar and Beech,	"
111.	Cedar and Maple,	"
112.	Cedar and Lincoln,	"
113.	Central and Bedford,	"
114.	Central street, opposite No. 74,	pole.
115.	Central and Franklin,	arm.
116.	Central and Elm,	"
117.	Central and Chestnut,	"
118.	Central and Pine,	"
119.	Central and Union,	"
120.	Central and Beech,	"
121.	Central and Maple,	"
122.	Central and Lincoln,	"
123.	Central and Wilson,	"
124.	Central and Hall,	"
125.	Central street, opposite No. 536,	"
126.	Charles street,	"
127.	Charleston avenue and Carroll,	"

No. 128.	Chestnut street, opposite No. 855,	arm.
129.	Clarke and River road,	"
130.	Clarke and Elm,	"
131.	Clarke and North Adams,	"
132.	Clarke and Union,	"
133.	Clinton and Dover,	"
134.	Conant and Montgomery,	"
135.	Conant and Rimmon,	pole.
136.	Conant and Beauport,	arm.
137.	Concord and Vine,	"
138.	Concord and Chestnut,	"
139.	Concord and Pine,	"
140.	Concord and Union,	"
141.	Concord and Walnut,	"
142.	Concord and Beech,	"
143.	Concord and Ash,	"
144.	Concord and Maple,	"
145.	Concord and Dutton,	"
146.	Concord and Derry,	"
147.	Concord and Ashland,	"
148.	Concord and Hall,	"
149.	Concord common, west,	pole.
150.	Concord common, east,	"
151.	Coolidge avenue and Beauport,	arm.
152.	Coolidge avenue, near Kelley,	"
153.	Coolidge avenue and Cartier,	"
154.	Dean and Canal,	"
155.	Dean and Elm,	"
156.	Dean avenue and Hampshire lane,	pole.
157.	Dearborn and Taylor,	arm.
158.	Depot and Canal,	pole.
159.	Depot and Franklin,	arm.
160.	Derryfield park,	"
161.	Donald street, near cemetery,	"
162.	Douglas and Railroad,	pole.
163.	Douglas and Barr,	arm.
164.	Douglas and West,	pole.
165.	Douglas and Main,	arm.
166.	Dunbarton road and Front,	"
167.	East High and Nashua,	"
168.	East High and South,	"
169.	East High and Malvern,	"
170.	East High and Ashland,	"
171.	East High and Hall,	"
172.	East High and Buzzell,	"
173.	Spruce and Chestnut west back,	"

No. 174.	East Spruce and Barry avenue,	arm.
175.	East Spruce and Union,	"
176.	East Spruce and Beech,	"
177.	East Spruce and Maple,	"
178.	East Spruce and Lincoln,	"
179.	East Spruce and Wilson,	"
180.	East Spruce and Hall,	"
181.	East Spruce and Massabesic,	"
182.	East Spruce and Old Falls road,	"
183.	East Spruce and Beacon,	"
184.	Elm street, opposite No. 1966,	"
185.	Elm, below railway bridge,	"
186.	Elm and railway bridge,	pole.
187.	Elm avenue and Elm,	arm.
188.	Ferry and Main,	"
189.	Ferry and Third,	"
190.	Ferry and Turner,	pole.
191.	Front street, opposite No. 367,	"
192.	Gates and Dubuque,	"
193.	Goffstown road and Front,	"
194.	Goffstown road and Omega,	arm.
195.	Grove and Pine,	"
196.	Grove and Union,	"
197.	Grove and Beech,	"
198.	Grove and Belmont,	"
199.	Granite and Green,	"
200.	Granite and West,	"
201.	Granite and Main,	"
202.	Granite and Second,	"
203.	Granite bridge, west,	pole.
204.	Granite bridge, center,	"
205.	Granite bridge, east,	"
206.	Granite and State,	arm.
207.	Granite and Bedford,	"
208.	Granite and Canal,	pole.
209.	Granite and Franklin,	"
210.	Green and Elm,	"
211.	Green and Pine,	"
212.	Green and Union,	"
213.	Green and Beech,	"
214.	Grant and Boynton,	"
215.	Hancock and Brown avenue,	"
216.	Hanover common,	"
217.	Hanover and Nutfield lane,	arm.
218.	Hanover and Chestnut,	"
219.	Hanover and Pine,	"

No. 220.	Hanover and Union,	arm.
221.	Hanover and Beech,	"
222.	Hanover and Maple,	"
223.	Hanover and Lincoln,	"
224.	Hanover and Ashland,	"
225.	Hanover and Hall,	"
226.	Hanover and Belmont,	"
227.	Hanover and Beacon,	"
228.	Hanover and Alfred,	"
229.	Hanover and Highland,	pole.
230.	Hanover and Grant,	arm.
231.	Hanover and Lake avenue,	pole.
232.	Hanover and Page,	arm.
233.	Harrison and Elm,	"
234.	Harrison and Chestnut,	"
235.	Harrison and Pine,	"
236.	Harrison and Hazel,	"
237.	Harrison and Union,	"
238.	Harrison and Walnut,	"
239.	Harrison and Beech,	"
240.	Harrison and Ash,	"
241.	Harrison and Maple,	"
242.	Harrison and Oak,	"
243.	Harrison and Russell,	"
244.	Harrison street, opposite No. 329,	"
245.	Harvell and South Main,	"
246.	Hayward and Beech,	"
247.	Hayward and Cypress,	pole.
248.	Hayward and Riley avenue,	arm.
249.	High and Chestnut,	"
250.	High and Pine,	"
251.	High and Union,	"
252.	Hollis and Canal,	"
253.	Hollis, below Elm west back,	"
254.	Hospital avenue and Massabesic,	pole.
255.	Kelley and Rimmon,	arm.
256.	Kelley and Cartier,	pole.
257.	Kelley and Alsace,	arm.
258.	Kidder and Boyden,	pole.
259.	Kidder and Whitney,	"
260.	Kidder and Elm,	"
261.	Lake avenue and Elm,	"
262.	Lake avenue and Chestnut,	"
263.	Lake avenue and Pine,	"
264.	Lake avenue and Union,	"
265.	Lake avenue and Beech,	"

No. 266.	Lake avenue and Maple,	pole.
267.	Lake avenue and Lincoln,	"
268.	Lake avenue and Wilson,	"
269.	Lake avenue and Massabesic,	"
270.	Lake avenue and Belmont,	arm.
271.	Lake avenue and Beacon,	"
272.	Lake avenue, opposite No. 529,	"
273.	Lake avenue and Cass,	pole.
274.	Lake avenue and Canton,	"
275.	Lake avenue and J. Hall road,	"
276.	Langdon and Canal,	arm.
277.	Langdon and Elm west back,	pole.
278.	Laurel and Laurel avenue,	arm.
279.	Laurel and Pine,	"
280.	Laurel and Union,	"
281.	Laurel and Beech,	"
282.	Laurel and Maple,	"
283.	Laurel and Lincoln,	"
284.	Laurel and Wilson,	"
285.	Laurel and Hall,	"
286.	Laurel and Belmont,	"
287.	Laurel and Milton,	"
288.	Laurel and Beacon,	"
289.	Laurel and Cass,	"
290.	Liberty street, opposite No. 93,	"
291.	Lowell south back and Nutfield lane,	"
292.	Lowell and Elm,	"
293.	Lowell and Birch,	"
294.	Lowell and Chestnut,	"
295.	Lowell and Pine,	"
296.	Lowell and Union,	"
297.	Lowell and Walnut,	"
298.	Lowell and Beech,	"
299.	Lowell and Ash,	"
300.	Lowell and Nashua,	"
301.	Lowell and Malvern,	"
302.	Lowell and Ashland,	"
303.	Lowell and Hall,	"
304.	Lowell and Belmont,	"
305.	Manchester and Elm,	"
306.	Manchester and Chestnut,	"
307.	Manchester and Pine,	"
308.	Manchester and Union,	"
309.	Manchester and Beech,	"
310.	Manchester and Maple,	"
311.	Manchester and Lincoln,	"

No. 312.	Manchester and Wilson,	arm.
313.	Manchester and Hall,	"
314.	Manchester and Milton,	pole.
315.	Market and Canal,	arm.
316.	Market and Franklin,	"
317.	Market and Elm,	"
318.	Marion and Main,	pole.
319.	Marion and McGregor,	arm.
320.	Massabesic and Belmont,	pole.
321.	Massabesic and Old Falls road,	arm.
322.	Massabesic and Cypress,	"
323.	Massabesic, north of Valley,	"
324.	Massabesic and J. Hall road,	"
325.	Mast and Main,	pole.
326.	Mast and Bowman,	arm.
327.	Mast and Riddle,	pole.
328.	Mast and New Mast road,	arm.
329.	Mast and Forest,	"
330.	McGregor and Main,	"
331.	McGregor bridge, west,	pole.
332.	McGregor bridge, east,	"
333.	McDuffie and Huntress,	arm.
334.	Meade and Hall,	"
335.	Mechanic and Canal,	"
336.	Mechanic and Hampshire lane,	"
337.	Merrimack and Canal,	"
338.	Merrimack and Franklin back street,	"
339.	Merrimack and Franklin,	"
340.	Merrimack and Elm,	"
341.	Merrimack and Chestnut,	"
342.	Merrimack and Pine,	"
343.	Merrimack and Union,	"
344.	Merrimack and Beech,	"
345.	Merrimack and Maple,	"
346.	Merrimack and Lincoln,	"
347.	Merrimack and Wilson,	"
348.	Merrimack and Hall,	"
349.	Merrimack and Belmont,	"
350.	Merrimack and Beacon,	"
351.	Merrimack street, opposite No. 532,	"
352.	Merrimack common, west,	pole.
353.	Merrimack south back and Union,	arm.
354.	Middle and Canal,	"
355.	Middle and Franklin west back,	"
356.	Milford and Carroll,	"
357.	Milford and Riddle,	"

No. 358.	Milford and Main,	arm.
359.	Mitchell and Beech,	"
360.	Monmouth and McGregor back street,	pole.
361.	Monroe and River road,	arm.
362.	Myrtle and Elm east back,	"
363.	Myrtle and Chestnut,	"
364.	Myrtle and Pine,	"
365.	Myrtle and Union,	"
366.	Myrtle and Walnut,	"
367.	Myrtle and Beech,	"
368.	Myrtle and Maple,	"
369.	Myrtle and Russell,	"
370.	Myrtle street, opposite No. 350,	"
371.	Nelson and Mammoth road,	"
372.	New Mast road and D,	"
373.	New Mast road and Wilkins,	pole.
374.	North and River road,	arm.
375.	North and Elm,	"
376.	North and Bay,	"
377.	North and Chestnut,	"
378.	North and Pine,	pole.
379.	North and Union,	arm.
380.	North and Walnut,	"
381.	North and Beech,	"
382.	North Main street in Eddy,	pole.
383.	North Adams street, opposite No. 63,	arm.
384.	Nutfield lane, rear Central Fire Station,	"
385.	Nutt road and Beech,	"
386.	Nutt road and Portsmouth railroad,	pole.
387.	Nutt road and Willow,	arm.
388.	Orange and Elm,	"
389.	Orange and Pine,	"
390.	Orange and Union,	"
391.	Orange and Ash,	"
392.	Orange and Maple,	"
393.	Orange and Oak,	"
394.	Orange and Russell,	"
395.	Orange and Linden,	"
396.	Orange and Hall,	"
397.	Page and Portsmouth railroad,	"
398.	Park common,	pole.
399.	Parker and West,	arm.
400.	Pearl and Nutfield lane,	"
401.	Pearl and Chestnut,	"
402.	Pearl and Pine,	"
403.	Pearl and Union,	"

No. 404.	Pearl and Beech,	arm.
405.	Pearl and Oak,	"
406.	Pearl and Russell,	"
407.	Pearl and Linden,	"
408.	Pearl and Morrison,	pole.
409.	Pearl and Belmont,	arm.
410.	Pennacook and Canal,	pole.
411.	Pennacook and Elm,	arm.
412.	Pennacook and Chestnut,	pole.
413.	Pennacook and Pine,	arm.
414.	Pennacook and Union,	"
415.	Pleasant and Franklin,	"
416.	Pleasant and Elm,	"
417.	Prescott and Wilson,	"
418.	Prince and Boynton,	"
419.	Prince and B,	"
420.	Prospect and Elm east back,	"
421.	Prospect and Chestnut,	"
422.	Prospect and Pine,	"
423.	Prospect and Union,	"
424.	Prospect and Beech,	"
425.	Prospect and Ash,	"
426.	Prospect and Oak,	"
427.	Prospect and Linden,	"
428.	Prospect and Hall,	"
429.	Putnam and Bartlett,	pole.
430.	Putnam and Cartier,	arm.
431.	Putnam and Main,	"
432.	Rowell and River road,	"
433.	Rimmon street, opposite No. 322,	pole.
434.	River road and Otis,	arm.
435.	River road and Stark park,	"
436.	Rockland avenue and Wilkins,	"
437.	Rockland avenue and Goffstown line,	pole.
438.	Sagamore and Elm,	arm.
439.	Sagamore and Pine,	"
440.	Sagamore and Walnut,	"
441.	Sagamore and Maple,	"
442.	Sagamore and Russell,	"
443.	Salmon and Canal,	"
444.	Salmon and Elm,	"
445.	Salmon and Bay,	"
446.	Salmon and Chestnut,	arm.
447.	Salmon and Pine,	pole.
448.	Salmon and Union,	arm.
449.	Salmon and Beech,	"

No. 450.	School and Third,	arm.
451.	School and Turner,	"
452.	Schiller and Second,	pole.
453.	Schuyler and Main,	"
454.	Shasta and Elm,	arm.
455.	Silver and Union,	"
456.	Silver and Beech,	"
457.	Silver and Lincoln,	"
458.	Silver and Wilson,	"
459.	Silver and Belmont,	"
460.	Somerville and Hall,	"
461.	Somerville and Taylor,	"
462.	Somerville and Cypress,	"
463.	Somerville and Jewett,	"
464.	South Main street, opposite No. 520,	"
465.	Spruce and Elm,	"
466.	Spruce south back, and Manhattan lane,	pole.
467.	Spring and Canal,	arm.
468.	Spring and Hampshire lane,	"
469.	Stark and Canal,	"
470.	Stark street, opposite No. 22,	"
471.	State, east back and private way,	"
472.	State, north Granite,	"
473.	Sullivan and Thornton,	"
474.	Sullivan and Beauport,	pole.
475.	Sullivan and Main,	"
476.	Summer and Pine,	arm.
477.	Summer and Union,	"
478.	Summer and Hall,	"
479.	Summer and Dearborn,	"
480.	Summer and Belmont,	"
481.	Thayer and Elm,	"
482.	Titus avenue and Beech,	"
483.	Tremont common,	pole.
484.	Trenton and Union,	arm.
485.	Valley and Elm,	"
486.	Valley and Pine,	pole.
487.	Valley and Union,	arm.
488.	Valley and Wilson,	"
489.	Valley and Belmont,	"
490.	Valley and Taylor,	"
491.	Valley and Cypress,	"
492.	Valley and Jewett,	"
493.	Vinton and Taylor,	"
494.	Walker and Main,	"

No. 495.	Walker and Fourth,	arm.
496.	Walker and Third,	"
497.	Walker and Second,	"
498.	Walker and Turner,	pole.
499.	Washington and Church,	arm.
500.	Water street, opposite No. 22,	"
501.	Water and Elm,	"
502.	Wayne and Dubuque,	pole.
503.	Wayne and Beauport,	arm.
504.	Wayne and Main,	"
505.	Wayne and McGregor,	pole.
506.	Webster and River road,	"
507.	Webster and Elm,	arm.
508.	Webster and Chestnut,	"
509.	Webster and Pine,	"
510.	Webster and Walnut,	pole.
511.	Webster and Beech,	arm.
512.	Welch avenue and Calef road,	pole.
513.	West Hancock and South Main,	arm.
514.	West Hancock and Dartmouth,	"
515.	West Hancock and Second,	pole.
516.	West Hancock and Wentworth,	arm.
517.	Whitford and Union,	"
518.	Wilton and Main,	"
519.	Winter and Parker,	"
520.	Winter street, opposite No. 62,	"
521.	Winter place and Elm west back,	"
522.	Young and Taylor,	"
523.	Young and Ainsworth avenue,	"
524.	Young and Mammoth road,	"
525.	Lake avenue and Kenney,	"
526.	Appleton and Chestnut,	"
527.	Sagamore and Beech,	"
528.	Cartier, 50 feet south of Wayne,	"
529.	Opposite 893 Hanover,	"
530.	Amherst and Milton,	"
531.	Pearl and Walnut,	"
532.	Sagamore and Smyth road,	"
533.	Valley and Hall,	"
534.	East High and Beacon,	"
535.	Concord and Weston,	"
536.	South Main and Erie,	"
537.	Mammoth road, near Isolation hospital,	"
538.	Valley and Beech,	"
539.	Bridge and Arkwright,	"
540.	Ray, between Clarke and Appleton,	"

No. 541.	Amoskeag and First,	arm.
542.	Green and Wilson,	"
543.	Pearl and Ash,	"
544.	Trenton and Elm,	"
545.	Blucher and Montgomery,	"
546.	Byron and Josselyn,	"
547.	Front street and Stearns lane,	"
548.	Lincoln and Portsmouth railroad,	"
549.	Spruce and Canton,	"
550.	Central and Milton,	"
551.	Brown avenue and Westland avenue,	"
552.	Old Bridge and Mammoth road,	"
553.	Adams street and Notre Dame avenue,	"
554.	Granite south back, near Canal,	"
555.	Titus avenue, Highland school,	pole.
556.	Mystic avenue and Union street,	"
557.	Pine and Silver,	arm.
558.	Cypress and East Spruce,	"
559.	Kelley and Hevey,	"
560.	J. Hall road and Portsmouth railroad,	"
561.	Pleasant and Franklin west back,	"
562.	Elm west back, between Kidder and Hollis,	"
563.	Milford and Donald,	"
564.	Taylor and Dix,	"
565.	Candia road and Woodbine avenue,	"
566.	Harvard and Wilson,	"
567.	Brooklyn avenue, between Jewett and Cypress,	pole.
568.	Wayne and Thornton,	arm.
569.	Coolidge avenue and North Bremer street,	"
570.	East Spruce and Kenney,	"
571.	Park avenue and Crown street,	"
572.	Goffstown road and Taggart street,	"
573.	South Beech, near Gold street,	"
574.	Prospect and Russell,	"
575.	Myrtle and Linden,	"
576.	Cilley road and Taylor street,	"
577.	Auburn and Hall,	"
578.	Amherst and Hubbard,	"
579.	Putnam, west of Rimmon,	pole.
580.	Lake avenue and Mammoth road,	arm.
581.	Salmon and Walnut,	"
582.	Middle and Franklin,	"
583.	Myrtle and Belmont,	"
584.	Opposite No. 85 Omega,	"
585.	Hayward and Union,	"
586.	Massabesic and Jewett,	"

587.	Harvard and Hall,	arm.
588.	East High and Belmont,	"
589.	Sagamore and Oak,	"
590.	Amherst and Alfred,	"
591.	Willow road and Maple street,	"
592.	Dunbarton road, at No. 158	"
593.	Jewett street and Cilley road,	"
594.	Arah street, at lot No. 38,	"
595.	Smith road and Webster street,	"
596.	Front street, north Eddy,	"
597.	Brock and Mast,	"
598.	Nicolet lane (W. Manchester),	"
599.	Amory and Cartier,	"
600.	Conant and Cartier,	"
601.	Central and Canal,	pole.
602.	Maple and Hayward,	arm.
603.	South Elm street, opposite Catholic church,	"
604.	Union street, opposite No. 1038,	"
605.	Hanover and J. Hall road,	"
606.	Kelley and Boutwell,	"
607.	West end McGregor bridge,	"
608.	Prospect and Maple,	"
609.	Somerville and Wilson,	"

Tungsten Lights in Service, February 24, 1911.

Douglas and Douglas north back.
Douglas and Dover.
Douglas and Quincy.
Granite and Quincy.
Granite and Dover.
Parker, near West.
Wheelock, south of West Hancock.
Dartmouth and Frederick.
Second street, south of Cleveland.
Cleveland and Hiram.
Alley off School street.
Turner, at Turner hall.
Douglas and Turner.
Bowman and Marlboro.
Mast, at 272.
Carroll, at 66.
George, at 51.

Williams, at 76.
Milford and Williams.
Main and Frederick.
Milford and Bowman.
A and B.
Boynton and C.
Boynton and Allen.
Kidder court.
Franklin and Auburn.
Valley, near Willow.
Merrill and Willow.
Hancock and Hamilton.
Hancock, near brewery.
Brown avenue and Byron.
Brown avenue and Shasta.
Calef road, at 214.
Calef road and Hillcrest avenue.
Calef road and Edgemere.
Calef road and Mitchell.
Calef road and Titus avenue.
Pine Grove cemetery.
Calef road and Brown avenue.
Brown avenue, at 1744.
Brown avenue, at 2626.
Railroad street, Goffe's Falls.
Goffe's Falls depot.
Brown avenue and Railroad street.
Brown avenue, at 2743.
Brown avenue, at 2849.
Brown avenue, at 2869.
Brown avenue, at 2915.
Brown avenue, at 2956.
Brown avenue and Mill avenue.
Mill avenue.
Mill avenue, at Caldwell.
Brown avenue and Devonshire mills.
Londonderry road, off Brown avenue.
Brown avenue, opposite Londonderry road.
Brown avenue, at 3100.
South and Goffe's Falls school.
Shasta and Maple.
Willow road and Weston.
Willow road, at Harvey's.
Willow road, at Heureux's.
Willow road, at Marshall's.
Willow road and Merrill.

Willow road and Harvey.
Willow road and Mill road.
Willow road and Woodland avenue.
Willow road, at Dickey's.
Spring street.
Cedar and Wilson east back street.
Valley and Lincoln.
Hayward and Lincoln.
Wilson, near Hayward.
Harvard and Maple.
Valley and Maple.
Somerville and Lincoln.
Wilson and Clay.
Belmont and Hayward.
Market, at 35.
Barry avenue and Spruce south back.
Chase avenue and Hayes avenue.
Massabesic and Taylor.
Grove, near Taylor.
Taylor, near Portsmouth railroad.
Taylor, at 181.
Springview and Somerville.
Young, near Cypress.
Valley, at 869.
Foster avenue, at 20.
Jewett and Young.
Jewett, opposite 223.
Jewett and Merrill.
Prout avenue, at 91.
Oakland avenue and Mammoth road.
Knowlton and Hayward.
Mammoth road and Cilley road.
Mammoth road and Island Pond road.
Southeast corner reservoir.
Mammoth road and Cohas.
Mammoth road, at Lovering's.
Mammoth road and Mooreville road.
Mammoth road and Derry road.
Derry road and Dickey road.
Derry road and Cross road.
Derry road, at L. Paige's.
Derry road and Corning road.
Corning road, at N. Paige's.
Revere street and Longwood avenue.
Oakland avenue and Woodbine avenue.
Oakland avenue and Woodland avenue.

Candia road, at 202.
Candia road and Woodland avenue.
Candia road, at 331.
Candia road and Cody.
Candia road and Platts avenue.
Candia road, at Paige street.
Glenwood avenue and Lovering street.
Candia road, at 725.
Candia road, at Annis place.
Candia road, at 937.
Candia road, at 991.
Candia road, at 1035.
Candia road and Proctor road.
Proctor road.
Lake Shore road, at Miss Proctor's.
Lake Shore road and Proctor road.
Lake Shore road, at J. H. Paige's.
Lake Shore road, at pumping station.
Lake Shore road, at W. M. Moulton's.
Lake Shore road, at F. Gagick's.
Lake Shore road, at W. S. Paige's.
Lake shore road, at Portsmouth railroad.
Hanover street, at 1150.
Hanover street and Proctor road.
Hanover street, at 1268.
Hanover and Broadway avenue.
Broadway avenue, at Ed. Ivers's.
Broadway avenue and Sherburne street.
Smith's corner.
Sherburne street and Candia road.
Candia road, at J. H. Cram's.
Candia road, at Levi Proctor's.
Candia road, at C. E. Crombie's.
Candia road and Lake Shore road.
Candia road, at G. D. Sanborn's.
Candia road, at Frank Fox's.
Candia road and Turnpike road.
Turnpike road, No. 1.
Turnpike road, No. 2.
Turnpike road, No. 3.
Turnpike road and Bald Hill road.
Canal and Brook.
Private way, off Hollis street.
Mechanic street.
Stark and Elm west back.

Pleasant street, west light.
Pleasant street, east light.
State and Grove.
Central south back and Elm east back.
Barry avenue and Spruce north back.
Monadnock and Nutfield lanes.
Nelson and Jones.
Benton and Jones.
Benton and Mammoth road.
Auburn and J. Hall road.
Hanover and Gertrude.
Franklyn Willey place.
Bridge and Elm east back.
Derryfield and Nutfield lanes.
Londonderry and Nutfield lanes.
Laurel, at 427.
Central and Belmont.
Manchester and Belmont.
Manchester, at 387.
Merrimack, at 391.
Merrimack, at 328.
Merrimack, at 278.
Merrimack, at 228.
Manchester at 307.
Hanover, at 394.
Chester, at 16.
Amherst, at 437.
Amherst and Belmont.
Amherst and Beacon.
Hanover, at 304.
Concord and Beacon.
Concord and Belmont.
Lowell and Beacon.
Lowell and South.
Maple and East High.
Bridge and Beacon.
Bridge and Buzzell.
Arlington and Morrison.
Arlington and Maple.
Pearl and Maple.
Ash street, at 78.
Beech, at 593.
Walnut, at 86.
Orange and Walnut.
Orange and Clarke avenue.
Orange and Chestnut.

Pearl and Ashland.
Rear Pearl-street school.
Orange and Beech.
Albert and Harrison.
Prospect and Walnut.
Sagamore and Union.
Chestnut and Blodget.
Webster and Liberty.
Appleton and Ray.
Webster and Union.
Elm, near Rowell.
Trenton and Ray.
Bay, at 299.
Webster and Bay.
Chestnut, at 764.
Chestnut, at 916.
Chestnut, at 944.
Chestnut and Clarke.
Salmon, west of Elm.
Bay, near North.
Appleton, east of Elm.
Waldo & Everett.
Thayer and River road.
Monroe, west of Elm.
Appleton, west of Elm.

Total number, 225.

REPORT

OF THE

BOARD OF WATER COMMISSIONERS

BOARD OF WATER COMMISSIONERS, 1910.

EUGENE E. REED, *Mayor, ex officio.*

CHARLES H. MANNING, *President*, term expires January, 1913.
PERRY H. DOW, term expires January, 1915.
EDGAR J. KNOWLTON, term expires January, 1916.
CHARLES M. FLOYD, term expires January, 1914.
WILLIAM COREY, term expires January, 1917.
ROBERT E. MCKEAN, term expires January, 1912.
ARTHUR E. STEARNS, *Clerk.*

OFFICERS.

CHARLES H. MANNING, *President.*
CHARLES K. WALKER, *Superintendent.*
ARTHUR E. STEARNS, *Registrar.*
JEROME J. LOVERING, *Engineer at Low Service Pumping Station.*
CHARLES A. WHITNEY, *Engineer at High Service Pumping Station.*

REPORT OF THE BOARD OF WATER COMMISSIONERS.

To the Honorable City Councils of the City of Manchester, N. H.:

GENTLEMEN:—The Manchester Water Commissioners herewith present their thirty-ninth annual report for the year ending December 31, 1910, with the detailed report of the superintendent and registrar during the period.

FINANCIAL CONDITION.

Receipts and expenditures for the year have been as follows:

Received from water rents, etc.	$137,875.80	
Received from hydrant rentals	22,025.00	
Total receipts for 1910		$159,900.80
Amount paid for current expenses	$41,372.43	
Amount paid for construction expenses	43,524.35	
Amount paid for interest on water bonds	29,500.00	
Hydrant rentals set aside for sinking fund	22,025.00	
Set aside for sinking fund for payment of water bonds, state law, 1897 bonds	5,000.00	
		141,421.78
Receipts over expenditures		$18,479.02
Amount on hand December 31, 1909		63,385.92
Amount on hand December 31, 1910		$81,864.94

Respectfully submitted,

EUGENE E. REED, *ex officio*,
CHARLES H. MANNING, *President*,
CHARLES M. FLOYD,
EDGAR J. KNOWLTON,
WILLIAM COREY,
PERRY H. DOW,
ROBERT E. MCKEAN,
Water Board.

SUPERINTENDENT'S REPORT.

To the Water Commissioners of the City of Manchester:

GENTLEMEN:—In writing this report we might take the report of last year, which is nearly the same as regards the water at the lake.

We are pumping by steam just the same as last year.

The water has been thirty-five and one fourth inches below the dam at the lowest point this year and was thirty-six inches below last year.

We have had two larger boilers put in, either one of which will do the pumping and save some coal.

We have had low water for three years and while we have not been as badly off as some New England cities it has caused some anxiety for fear of having to curtail some uses of water where it could be spared.

We have bought a piece of land and a small cottage below Deer Neck bridge, and from Joseph Quinn we bought a tract of land that had just been cut over, south of Candia road to Kimball Point.

We have sold all the buildings which we had any claim on that have been bought for the last ten years.

We had a slight accident at the high service station: a valve chamber got cracked, but was repaired so that we have used it every day since.

We sent for another one which is out at the station ready to put in when we have liberty to stop the pumping for one day or more.

DISTRIBUTION PIPE.

We have laid four and three fourths miles of distribution pipe on fifty-two different streets, from twenty feet to thirty-seven hundred feet, sizes ranging from four to twelve inches. Expenses about $30,000.

We laid over some four-inches to ten-inches pipe on Calef road, sixteen hundred and nineteen feet.

This makes the pipe from Mitchell street to Goffe's Falls all ten-inches.

There was a connection made from the corner of Candia road and Mammoth road of twelve-inches that supplies the twelve-inches pipe on Somerville street, and west to Lincoln, making this section on the high service.

Three thousand seven hundred and eighty-six feet of eight-inches pipe were laid in Bedford on the River road, from Second street to Bowman's Brook.

PENSTOCK.

We repaired a leak on the penstock but did not fully stop it.

It was in the first joint as it pitches down the hill to the pumping station. It has not leaked much this summer and may last for five or six years without troubling us, but in the end will have to be replaced with a steel one.

Few repairs have been made at the station. A fire ladder was put on to the north barn.

The pumps here have worked well when we have had water, but when we have been short have not shown such good results.

Eels have stopped the wheels in two cases, but this cannot be helped. We have been troubled more or less for thirty-six years.

The dam and canal have needed no repairs.

There have been set eighteen new hydrants. Last winter we had good luck about their freezing, but this summer the street department has made a practice of leaving the caps off and gravel has been thrown in by the boys, cutting the valves so that they leaked and had to be taken out and new ones put in.

Hydrants are delicate pieces of machinery and great care should be taken in operating them.

The force and supply mains are about the same.

We get more leaks on the Mammoth road when we pump with the old Worthington pump than we do with the Snow pump.

Both reservoirs are in good condition; slight repairs were made on the new one.

The windows at the gatehouse have been shot at; that has become chronic, but we do not see any way to stop it unless we keep a watchman there all the time. Repairing the glass is the cheaper way.

The high service for Amoskeag and McGregorville have been looked over and roughly estimated and will be built next summer if nothing serious prevents. The expense will be from fifteen to twenty thousand dollars.

PUMPING RECORD, LOW SERVICE STATION, 1910.

MONTHS.	Time, Davidson	Time, Wood.	No. of strokes, Davidson.	No. of strokes, Wood.	Average strokes per minute, Davidson.	Average strokes per minute, Wood.	No. of gallons pumped by Davidson.	No. of gallons pumped by Wood.	Total gallons pumped.	Daily average.
January	49 25	.....	50,360	.....	16.13	.....	7,651,720	.....	7,651,920	246,836
February	282 40	.....	295,728	5	17.51	5.0	44,849,556	731,148	45,580,504	1,627,870
March	431 15	6 15	502,754	7,497	18.89	20.40	76,371,128	989,604	77,360,732	2,495,507
April	371 45	54 40	432,757	62,908	19.39	.....	65,781,064	8,283,856	74,064,920	2,468,307
May	376 15	70 00	443,613	84,291	19.70	19.70	67,539,176	11,307,412	78,846,588	2,543,438
June	458 55	.....	542,602	.....	19.70	.....	82,492,464	.....	82,492,464	2,753,415
July	568 10	.....	657,445	.....	18.85	.....	99,894,640	.....	99,894,640	3,222,308
August	569 50	.....	618,948	.....	18.17	.....	94,054,896	.....	94,054,896	3,034,093
September	563 45	.....	554,893	.....	16.73	.....	84,334,716	.....	84,334,716	2,811,155
October	373 45	.....	337,960	.....	15.10	.....	51,351,430	.....	51,351,430	1,656,498
November	172 30	7 15	151,724	7,164	14.79	.....	23,963,984	945,648	24,909,632	830,321
December	2 30	.....	3,161	.....	14.34	.....	3,343,000	334,300	334,300	10,784
Totals	4,215 45	137 70	4,591,945	161,865	17.44	.....	701,627,774	22,591,968	720,876,742	.....

PUMPING RECORD, HIGH SERVICE SNOW ENGINE, 1910.

MONTHS.	No. days pumping.	TOTAL PUMPING TIME PER MONTH.		Total number of strokes.	Average strokes per min.	COAL IN POUNDS.				No. of gallons pumped.	Gallons pump'd per pound of coal.	No. d'ys pump'd into Low Service.	Hours.
		Hours.	Min.			Raising steam and banking.	Pumping.	Ashes and clinkers.	Total coal.				
January	31	376	10	816,446	35 0	28,540	160,758	18,914	189,298	97,157,074	604	31	334 0
February	28	210	55	424,904	33.5	25,336	83,936	10,919	109,272	50,563,576	602	28	182.0
March	17	95	25	184,983	32.0	18,669	36 752	5,525	55,421	22,012,977	602	.....	.....
April	18	100	05	193,140	32 0	17,390	37,718	5,504	55,108	22,983,660	610	2	12 15
May	19	100	10	193,482	32.0	18,062	37,268	5,523	55,330	23,024,358	619	.....	.....
June	22	107	15	207,123	32 0	20,200	39,858	5,998	60,058	24,647,637	622	.....	.....
July	31	133	50	259,695	32.4	27,118	47 552	7,454	74,670	30 903,705	653	.....	.....
August	31	117	05	231,578	33.0	24,558	41,256	6,573	65,814	27,557,782	669	.....	.....
September	29	99	35	192 764	32.3	21,011	33,596	5,450	54,607	22,938,678	683	.....	.....
October	31	247	20	497,304	33.5	23,554	91,577	11,501	115,131	59,179 176	653	27	189.0
November	30	312	55	643,183	34.2	23,312	119,574	14,279	142,886	76,538,777	641	30	275.55
December	31	437	10	905,168	34.5	24,288	176,004	20,018	200,292	107,714,992	612	31	402.35
	318	2 337	55	4,749,768	.....	272,038	905,849	117,658	1,177,887	565,222,392	.....	149	1.395.45

525.7 tons of coal were used in pumping; 423 gallons of oil; 460 pounds of waste.

RAINFALL AT HIGH SERVICE STATION, 1910.

Day of Month.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
1			.31	.05					.37			
2			.16		.04	.05						*.03
3	*.07	*.11							.26		.60	
4		*.71			.27			.88	.75		.14	
5	*.42				.16			.48	.08		.35	
6	.26					.81			.77			
7	.79		.52			.73	1.20		.08	.27		
8				.07								
9					.19				.10	.02		
10		*.38		.02		.36				.02	.50	
11						.60		.57				
12		*.89				24						
13												
14			*.08						.30			
15	*.50						.22			*.04		
16												
17		*.41				.57						
18	*.21	*.93		.13	.45	.09						
19				.62				.43				.26
20									.03			
21	.06	.44	.01		.26							.43
22	.65	*.38		.48			.14			.04	*.15	
23				.05						.35		
24					.02	.09	.78					1.16
25					.12	.06	.02		.31			
26	*.06			.65					.06	.28		
27	*.08			.71						.02		
28		.17			.02	.18	.32		.03	.08		
29	*.71										47	*.15
30				.15	.01		.09				.31	.08
31	*.14				.24							
	3.95	4.42	1.08	2.93	1.78	3.78	2.77	2.36	3.14	1.12	2.52	2.11

1895. Total rainfall, 42.06 inches.
1896. Total rainfall, 38.41 inches.
1897. Total rainfall, 49.76 inches.
1898. Total rainfall, 47.15 inches.
1899. Total rainfall, 36.27 inches.
1900. Total rainfall, 47.89 inches.
1901. Total rainfall, 47.47 inches.
1902. Total rainfall, 47.58 inches.
1903. Total rainfall, 40.39 inches.
1904. Total rainfall, 34.54 inches.
1905. Total rainfall, 39.13 inches.
1906. Total rainfall, 41.85 inches.
1907. Total rainfall, 42.54 inches.
1908. Total rainfall, 33.88 inches.
1909. Total rainfall, 36.54 inches.
1910. Total rainfall, 31.96 inches.

*Snow.

Income from the Sale of Water, 1910.

Received for water by rate	$19,435.90	
for water by meter	116,166.00	
for water, building purposes	322.60	
from fines	398.60	
		$136,323.10
Received for pipe, etc	$106.00	
American Locomotive Co., old iron	38.28	
F. D. Leighton, 6-inch pipe and offset	23.75	
J. H. Stevens, Varick building	53.25	
Leighton Machine Co	292.92	
		514.20
Received from F. Brown, lease	$1.00	
from G. G. Griffin, lease	1.00	
from H. A. Boone, rent of land	10.00	
from H. A. Salls, rent of land	10.00	
from Burke Bros., rent of land	300.00	
from W. M. Moulton, rent	72.00	
from C. M. Nutting, rent of land	12.00	
from George Blackman, for grass,	12.00	
		418.00
Received from Maxwell & Ray, Rau house	$60.00	
from Joseph Quirin, Sarsfield	285.00	
from Louis Gelinas, icehouse (Levasseur)	55.00	
from James H. Hall, stable and carriage (Levasseur)	32.00	
from T. L. Shine, two houses (Levasseur)	147.50	
from J. O. Turcotte (Shamrock)	41.00	
		620.50
		$137,875.80
Hydrant rentals		22,025.00
Total		$159,900.80
Amount paid for current expenses	$41,372.43	
Amount paid for construction expenses	43,524.35	
Amount paid for interest on bonds	29,500.00	
Hydrant rental set aside for sinking fund	22,025.00	
State law (1897 bonds)) set aside for sinking fund	5,000.00	
		$141,421.78
Receipts over expenditures		$18,479.02
Amount on hand December 31, 1909		63,385.92
Amount on hand December 31, 1910		$81,864.94

CLASSIFICATION OF ACCOUNTS, 1910.

Superintendence, repairs, etc	$18,817.36	
Stationery and printing	201.89	
Office and incidental expenses	2,063.77	
Pumping expenses (low service)	4,159.45	
Pumping expenses (high service)	13,750.93	
Repairs to buildings	1,531.39	
Repairs to canal, reservoir, etc	847.64	
Total current expenses		$41,372.43
Service pipes	$3,529.03	
Distribution pipes	30,490.17	
Fire hydrants and valves	1,818.19	
Meters	2,061.96	
Land and water rights	5,625.00	
Total construction expenses		43,524.35
Sinking fund for water bonds, issue 1897	$5,000.00	
Sinking fund for fire hydrants	22,025.00	
		27,025.00
		$111,921.78

Total Construction Expenses.

Land and water rights	$422,806.28	
Dam, canal, penstock, etc	101,399.16	
Pumping machinery and buildings	246,508.69	
Distribution reservoirs	117,697.90	
Force and supply main	89,769.02	
Distribution pipes	754,471.54	
Fire hydrants and valves	73,372.69	
Meters and fixtures	76,302.34	
Service pipes	101,880.09	
Grading and fencing	17,470.39	
Tools and fixtures	10,649.35	
Boarding and storehouses	919.36	
Roads and culverts	4,405.20	
Supplies	550.39	
Engineering	22,176.19	
Livery and traveling expenses	2,856.64	
Legal expenses	563.79	
		$2,043,799.02

Total Current Expenses.

Superintendence and repairs	$551,248.30
Stationery and printing	9,672.55

Office and incidental expenses	$48,637.81	
Pumping expenses (low service)	89,341.74	
Pumping expenses (high service)	91,095.40	
Repair to buildings	13,487.49	
Repairs to dam, canal and reservoir	19,335.42	
		$822,818.71
Interest	$40,678.51	
Highway expenses	14,000.53	
		54,679.04
		$2,921,296.77
Interest, discount and labor performed on highway transferred, and tool and materials sold	$94,307.83	
Current expenditures to December 31, 1910	822,818.71	
		917,126.54
Total cost exclusive of interest and current expenses		$2,004,170.23
Interest and discount to December 31, 1910	$1,302,499.51	
Interest for 1910	29,500.00	
		$1,331,999.51

AMOUNT OF WATER BONDS ISSUED TO DECEMBER 31, 1910.

Issued January 1, 1892, rate 4%, due January 1, 1912	$100,000.00
August 1, 1893, rate 5%, due August 1, 1913	100,000.00
November 1, 1893, rate 4½%, due November 1, 1913	100,000.00
October 1, 1894, rate 4%, due October 1, 1914	50,000.00
July 1, 1895, rate 4%, due July 1, 1915	100,000.00
December 16, 1895, rate 4%, due December 16, 1915	50,000.00
January 1, 1897, rate 4%, due January 1, 1917	100,000.00
	$600,000.00

SINKING FUND.

1893	$12,750.00
1894	13,925.00
1895	15,800.00
1896	16,800.00
1897	17,175.00
1898	17,675.00
1898	5,000.00
1899	5,000.00
1899	18,100.00
1900	18,425.00
1900	5,000.00

1901		$5,000.00
1901		18,575.00
1902		18,800.00
1902		5,000.00
1903		5,000.00
1903		19,200.00
1904		19,450.00
1904		5,000.00
1905		5,000.00
1905		19,550.00
1906		5,000.00
1906		20,075.00
1907		20,625.00
1907		5,000.00
1908		5,000.00
1908		20,925.00
1909		21,275.00
1909		5,000.00
1910		5,000.00
1910		22,025.00
		$396,150.00
Interest, etc., to December 31, 1909		66,184.91
Interest, etc., for 1910		8,272.29
		$470,607.20
Paid for retiring bonds January 1, 1902	$100,000.00	
Paid for retiring bonds January 1, 1907	100,000.00	
Paid for retiring bonds July 1, 1910	100,000.00	
		300,000.00
		$170,607.20

STATEMENT OF RECEIPTS.

Year.	Total.	Hydrant rent.	Water by rate.	Water by meter.	Received for building purposes.	Fines.	Labor, pipe, and materials sold.	Rentals and buildings sold.	No. of meters.
1872	$573.61	.....	.....	.....	.....	.....	.....	.....	.....
1873	2,097.60	.....	$1,692.69	$190.84	.....	$14.00	$200.67	.....	8
1874	32,154.07	$22,425.00	7,987.27	1,436.56	$119.10	104.18	699.85	.....	98
1875	29,223.60	13,095.00	10,292.13	3,348.11	122.13	120.59	2,245.64	.....	160
1876	39,028.47	16,320.00	15,900.63	6,305.81	72.32	180.16	249.55	.....	166
1877	43,823.30	17,475.00	18,064.51	7,783.09	136.10	233.04	131.56	.....	202
1878	48,874.26	17,970.00	20,255.97	10,090.25	83.60	232.82	241.62	.....	226
1879	53,143.17	18,165.00	21,610.13	12,732.93	81.60	240.64	303.87	.....	251
1880	57,655.25	18,300.00	23,795.96	14,794.34	79.50	210.39	465.06	$10.00	280
1881	60,215.62	18,780.00	25,336.18	15,554.98	105.60	223.99	203.87	11.00	310
1882	67,630.13	20,130.00	26,803.06	19,898.69	146.65	197.49	443.24	11.00	371
1883	73,458.20	20,520.00	28,838.24	23,431.20	314.65	208.04	125.07	21.00	404
1884	75,580.08	21,350.00	31,724.07	21,329.75	195.10	231.96	738.20	11.00	446
1885	80,404.12	18,900.00	33,597.02	27,425.35	102.50	186.80	181.45	11.00	486
1886	75,129.99	19,750.00	33,062.11	21,573.45	287.40	130.80	320 23	6.00	613
1887	80,518.17	20,437.50	33,497.21	25,277.09	351.70	119.20	819.47	16.00	739
1888	85,643.82	21,000.00	33,864.78	29,838.82	543.80	149.80	243.62	3.00	842
1889	86,700.46	18,240.00	34,140.99	33,596.05	361.95	153.20	155.27	53.00	951
1890	90,463.37	19,880.00	32,431.10	37,009.80	649.90	151.80	298.77	42.00	1,135
1891	76,605.23	4,590.00	30,588.79	40,479.25	494.80	160.40	200.99	91.00	1,313
1892	83,474.79	5,000.00	31,344.24	46,139.35	416.00	168.40	139.80	267.00	1,608
1892	104,170.08	12,750.00	32,603.59	58,103.20	1,033.75	159.60	339.38	180.56	1,895
1894	110,210.29	13,925.00	32,176.28	62,501.35	697.80	227.40	334.82	347.64	2,182
1895	118,374.50	15,800.00	32,903.99	67,465.90	808.20	300.40	768.17	327.84	2,520
1896	128,907.03	16,800.00	32,540.03	77,610.10	638.48	302.80	440.12	575.50	2,865
1897	125,719.17	17,175.00	30,647.17	76,148.60	331.85	321.80	627.08	467.67	3,134
1898	131,184.08	17,675.00	29,409.58	80,643.30	187.00	359.80	441.90	2,467.50	3,340
1899	133,436.41	18,100.00	28,063.34	85,764.80	246.80	363.80	400.59	497.08	3,502
1900	138,241.94	18,425.00	27,868.85	91,079.30	95.80	397.80	232.59	142.60	3,667
1901	138,206.14	18,575.00	26,954.99	91,382.60	220.30	437.60	410.90	224.75	3,804
1902	134,331.48	18,800.00	23,785.49	90,479.10	233.34	434.00	358.25	241.25	3,983
1903	128,416.23	19,200.00	21,539.64	85,954.05	253.90	407.00	137.64	924.00	4,101
1904	133,057.47	19,450.00	20,486.64	88,639.41	161.28	369.20	808.12	3,142.82	4,220
1905	136,353.07	19,550.00	20,230 99	92,438.70	250.66	366.00	1,437.09	1,779.63	4,356
1906	139,820.76	20,075.00	20,154 51	94,345 90	277.86	354.40	368.88	4,244 21	4,525
1907	144,433.45	20,625.00	19,727.23	101,758.05	250.20	398.80	991.17	683.00	4,668
1908	147,561.52	20,925.00	19.555.20	104,431.90	340.26	361.80	567.86	1,379.50	4,777
1909	153,761.50	21,275.00	19,870.47	110,520.95	260.20	372.00	350.68	1,112.20	4,915
1910	159,900.80	22,025.00	19 435.90	116,166.00	322.60	398.00	514.20	1,038.50	5,127

1878, meter rate was changed. 1884, hydrant rates reduced. 1886, meter and other rates reduced. 1889, hydrant rates reduced. 1891 and 1892, received only part of hydrant rent, and nothing from water-troughs or street sprinklers. 1893, hydrant rent and water-closets rate reduced. July 1, 1902, rates reduced. Meter rate reduced October 1, 1904.

The following amounts have been paid over to the city treasurer, and credited to the water-works:

1872, supplies and materials sold	$573.61
1873, supplies and materials sold	177.07
accrued interest on water-bonds sold	193.26
accrued interest on state bonds sold	146.00
water rents	1,920.53
1874, supplies and materials sold	607.89
March 12, highway expenditures transferred from water account	14,000.53

March 17, interest and discount transferred from water account	$12,347.25
1874, September 1, interest and discount transferred from water account	22,361.74
water and hydrant rent	30,233.54
December 29, interest transferred	4,566.25
1875, water and hydrant rent	27,119.15
sundry items	2,104.45
1876, water and hydrant rent	38,879.47
sundry items	149.00
1877, water and hydrant rent	43,691.74
sundry items	131.56
1878, water and hydrant rent	48,632.64
sundry items	241.62
1879, water and hydrant rent	52,839.30
sundry items	303.87
1880, water and hydrant rent	57,180.19
sundry items	475.06
1881, water and hydrant rent	60,000.75
sundry items	214.87
1882, water and hydrant rent	67,175.89
sundry items	454.24
1883, water and hydrant rent	73,312.13
sundry items	146.07
1884, water and hydrant rent	74,830.88
sundry items	749.20
1885, water and hydrant rent	80,211.67
sundry items	192.45
1886, water and hydrant rent	74,803.76
sundry items	326.23
1887, water and hydrant rent	79,682.70
sundry items	835.47
1888, water and hydrant rent	85,397.20
sundry items	246.62
1889, water and hydrant rent	86,492.19
sundry items	208.27
1890, water and hydrant rent	90,122.60
sundry items	340.77
1891, water and hydrant rent	76,213.24
sundry items	291.99
1892, water and hydrant rent	83,067.99
sundry items	406.80
1893, water rents	90,900.14
sundry items	519.94

1894,	water rents	$95,602.83
	sundry items	682.46
1895,	water rents	101,478.49
	sundry items	1,096.01
1896,	water rents	111,091.41
	sundry items	1,015.62
1897,	water rents	107,449.42
	sundry items	1,094.75
	premiums on bonds	6,248.00
1898,	water rents	110,599.68
	sundry items	2,909.40
1899,	water rents	114,438.74
	sundry items	897.67
1900,	water rents	119,441.75
	sundry items	375.19
1901,	water rents	118,995.49
	sundry items	635.65
1902,	water rents	114,931.93
	sundry items	599.55
1903,	water rents	108,154.59
	sundry items	1,061.64
1904,	water rents	109,656.53
	sundry items	3,950.94
1905,	water rents	113,386.35
	sundry items	3,416.72
1906,	water rents	115,132.67
	sundry items	4,613.09
1907,	water rents	122,134.28
	sundry items	1,674.17
1908,	water rents	124,689.16
	sundry items	1,947.36
1909,	water rents	131,023.62
	sundry items	1,462.88
1910,	water rents	136,323.10
	sundry items	1,552.70
		$3,375,883.62

DISTRIBUTION PIPES LAID, GATES AND HYDRANTS SET, 1910.

Streets.	Length in Feet.					Gates.					Hydrants.	Location.
	4 in.	6 in.	8 in.	10 in.	12 in.	4 in.	6 in.	8 in.	10 in.	12 in.		
Alsace		353										North of Bremer.
Barr		254					1					Douglas to Conant.
Beacon		316					1					Lowell to Concord.
Beauport		24									1	At hydrant opposite No. 316.
Bell		565					2					Second to Wentworth.
Boutwell		350					1					North of Amory.
"		1,057					2				2	North of Kelley.
Bremer		753					2					Alsace to Boutwell.
Calef (relaid)*		11	*15	*1,604			1		2		1	Mitchell to Titus.
Candia				135								East of schoolhouse.
Cypress.		48					1				1	North of Vinton.
Delaware		354					1				1	North of Hanover.
Dubuque		72										South of Putnam.
Elmhurst		407					1					East of Calef Road.
Edgemere		354					1					East of Calef Road.
Glenwood		101										East of Donahoe.
Granite	177					1						North of Winter.
Green		260					1					Douglas to Conant
Harrington		175					1					West of Calef Road.
Hayward					677					1		Porter to Mammoth.
Highland		686					2					Lowell to Bridge.
Hillcrest		272					1					East of Brown avenue.
Howe		237					1					East of Wilson.
Jolliet		431					1				1	North of No. 148.
Lafayette		669					2					Amory to Kelley.
Laval		1,136					2				2	North of Kelley.
Lincoln		147					1					North of Merrimack.
Longwood		224					1				1	East of Mammoth.
Mammoth		291										North of Bridge.
Maple		165					1					North of Concord.
McGregor		6										Hydrant moved to No. 240.
Maplewood		206										North of Harrington.
Main (South)		9	3,786				1	2			1	Second to Bowman brook.
" "				713					1			Oneida to Second.

Mystic avenue		172					1					North of Longwood.
North					456					1		West of Beech.
North River road			357									North of Park avenue.
Oakland		119					1				1	East of Mammoth.
Oneida		738					1				1	West of South Main.
Platts		200					2					To 150 feet south of Candia road.
Porter		8			1,220		1			1	1	Hayward to Somerville.
Putnam		520					2					Beauport to Dubuque.
Quincy		264					1					Douglas to Conant.
Revere		447					1					North of Oakland.
River road (West)												See Main street, South.
Rosedale		435					1				1	East of Calef Road.
Second		24										Connect with South Main.
Shasta		469					1					East of No. 455.
Somerville		16			925		2			1	2	West of Porter.
Taylor		7									1	Hydrant corner Somerville.
Wellington		1,228					2				1	East of Mammoth.
Winter		67										East of Granite.
Young		206					1					North of Somerville.
Youville		121					1					North of Kelley.
	177	14,968	4,158	2 452	3,278	1	47	2	3	4	19	25,033 feet.—4.741 miles.

*On Calef Road 1,619 feet 4 inches were taken out, and relaid with 8 and 10 inches pipe.

Hydrant on Vinton corner Cypress was moved to Cypress, corner Vinton.

Pipe was lowered on Boutwell 75 feet; Putnam, 100 feet; Thornton, 175 feet; Second, 520 feet; Gilford, 260 feet.

LOCATION OF HYDRANTS SET, 1910.

Beauport street, 165 feet south of Wayne.
Boutwell street, southwest corner Bremer.
Boutwell street, 425 feet north of Bremer.
Calef road, 25 feet north of Mystic avenue.
Cypress street, southwest corner Vinton.
Delaware street, northwest corner Hanover road.
Jolliet street, southwest corner Bremer.
Laval street, southwest corner Bremer.
Laval street, 505 feet north of Bremer.
Longwood avenue, northeast corner Mammoth road.
South Main street,* north side Bowman brook.
Oakland avenue, northeast corner Mammoth road.
Oneida street, northwest corner South Main.
Porter street, 569 feet south of Hayward.
Rosedale street, northeast corner Calef road.
Somerville street, northeast corner Young.
Somerville street, northwest corner Porter.
Taylor street, northwest corner Somerville.
Wellington avenue, 900 feet east of Mammoth road.

LOCATION OF GATES SET, 1910.

Barr street, north line of Douglas, 6-inch.
Beacon street, south line of Lowell, 6-inch.
Bell street, east side Second street, 6-inch.
Bell street, west side Wentworth, 6-inch.
Boutwell street, south line of Bremer, 6-inch.
Boutwell street, north line of Kelley, 6-inch.
Boutwell street, north line of Amory street, 6-inch.
Bremer street, west line of Alsace street, 6-inch.
Bremer street, west line of Laval, 6-inch.
Calef road, north line of Titus avenue, 10-inch.
Calef road, south line of Mitchell street, 10-inch.
Calef road, on hydrant branch 25 feet north of Mystic avenue, 6-inch.
Cypress street, north line of Vinton, 6-inch.
Delaware street, north side of Hanover road, 6-inch.
Elmhurst avenue, east line of Calef road, 6-inch.
Edgemere avenue, east line of Calef road, 6-inch.
Granite street, north side of Winter, 4-inch.
Green street, north side of Douglas, 6-inch.
Harrington street, west line of Calef road, 6-inch.
Hayward street, west line of Mammoth road, 12-inch.

* Or South River road. Hydrant on Vinton, corner Cypress, taken out. Hydrant on McGregor street, corner Amory street, moved 10 feet south.

Highland street, south line of Bridge, 6-inch.
Highland street, north line of Lowell, 6-inch.
Hillcrest avenue, east of Brown avenue, 6-inch.
Howe street, east line of Wilson, 6-inch.
Jolliet street, south line of Bremer, 6-inch.
Lafayette street, south line of Kelley, 6-inch.
Lafayette street, north line of Amory, 6-inch.
Laval street, north line of Kelley, 6-inch.
Laval street, south line of Bremer, 6-inch.
Lincoln street, north line of Merrimack, 6-inch.
Longwood avenue, 41 feet west from east side of Mammoth road, 6-inch.
Maple street, north line of Concord, 6-inch.
Main street (south), corner Second street, 10-inch, west line.
Main street (south), corner west line of Second, 8-inch.
Main street (south), 62 feet north of Currier House, 8-inch.
Main street (south), on hydrant branch near Bowman brook, 6-inch.
Mystic avenue, north line of Longwood avenue, 6-inch.
North street, west line of Beech, 12-inch.
Oakland avenue, 40 feet west from east side of Mammoth road, 6-inch.
Oneida street, west line of South Main, 6-inch.
Platts avenue, north line of Candia road, 6-inch.
Platts avenue, south line of Candia road, 6-inch.
Porter street, south line of Hayward, 12-inch.
Porter street, on hydrant branch, 6-inch.
Putnam street, 10 feet west from West line of Beauport, 6-inch.
Putnam street, east line of Dubuque, 6-inch.
Quincy street, north side of Douglas street, 6-inch.
Revere avenue, north side of Oakland avenue, 6-inch.
Rosedale street, east line of Calef road, 6-inch.
Shasta street, east line of Lincoln, 6-inch.
Somerville street, west line of Porter, 12-inch.
Somerville street, 6-inch gate on hydrant branch, corner Porter.
Somerville street, 6-inch gate on hydrant branch, corner Young.
Wellington avenue, east side of Mammoth road, 6-inch.
Wellington avenue, 13 feet west of hydrant, 6-inch.
Young street, north line of Somerville, 6-inch.
Youville street, north line of Kelley, 6-inch.

SERVICE PIPES LAID, 1910.

194	1-inch diameter	4,966.7 feet
2	4-inch diameter	59.5 "
1	6-inch diameter	.....
197		5,026.2 feet

SERVICE PIPES RELAID.

58	¾-inch diameter	1,390.0 feet to 1-inch diameter..	1,364.0 feet
83	1-inch diameter	2,214.5 feet to 1-inch diameter..	2,170.1 "
1	1-inch diameter	21.0 feet to 6-inch diameter..	.....
1	2-inch diameter	17.0 feet to 1-inch diameter..	17.0 "
143		3,642.5 feet	3,551.1 feet
6421	1-inch diameter	67.5 " should be 2-inch diam.	67.5 "

SERVICE PIPES LAID TO DATE.

10	½-inch diameter	207.7 feet
337	¾-inch diameter	8,916.8 "
6,240	1-inch diameter	157,649.3 "
17	1¼-inch diameter	748.9 "
39	1½-inch diameter	1,058.8 "
103	2-inch diameter	2,670.6 "
2	2½-inch diameter	63.0 "
7	3-inch diameter	142.8 "
20	4-inch diameter	438.7 "
29	6-inch diameter	.....
6,804		171,896.6 feet

METERS.

The number of meters set during the year has been one hundred and eighty-five (185).

Taken out, three (3).

Total number of meters in use is fifty-one hundred and twenty-seven (5127).

Number applications for water, 1910, was two hundred (200).

Total number of applications to date, sixty-nine hundred and thirty-seven (6937).

Uses for which Water is Supplied.

WATER FIXTURES, ETC.

14,667 families, 105 boarding-houses, 19,211 faucets, 8,099 wash-bowls, 7,658 bathtubs, 16,722 water-closets, 1,668 set tubs, 310 urinals, 5,788 silcocks, 2,898 horses, 355 cattle, 899 hydrants, 32 watering troughs, 11 drinking fountains, 74 standpipes, 2 public urinals.

PUBLIC BUILDINGS.

1 jail, 36 churches, 1 courthouse, 13 hose companies, 7 fire engines, 2 hook-and-ladder, 5 opera houses, 4 convents, 7 hospitals, 7 ceme-

teries. 1 orphanage, 1 postoffice, 1 city library, 6 banks, 10 hotels, 1 Masonic hall, 3 Odd Fellows' halls, 3 halls, Children's Home, Masonic Home, state armory, 38 schoolhouses.

SHOPS.

58 barber, 11 wheelwright, 16 blacksmith, 10 carpenter, 2 tinsmith, 1 copper, 3 currying, 22 plumber and gas and water pipe, 18 paint, 3 gunsmith.

STORES.

5 auction, 38 drug, 16 jewelry, 2 fur, 3 house-furnishing goods, 20 fancy goods, 1 wholesale paper, 5 wholesale produce, 21 dry goods, 12 candy, 1 cloak, 16 millinery, 3 tea, 9 furniture, 3 wholesale grocer, 134 grocery, 6 meal, 4 hardware, 34 boot and shoe, 11 stove, 35 gents' furnishing goods, 7 book, 1 leather and shoe finders, 3 music, 6 upholstery, 9 undertaker, 5 sewing-machine, 1 feather-cleaner, 1 rubber, 3 electric, 23 fruit.

SALOONS.

41 dining, 21 billiard, 75 liquor.

MISCELLANEOUS.

8 clubrooms, 3 bleacheries, 34 laundries, 4 icehouses, 12 photographers, 1 Mercy Home, 2 old ladies' homes, 1 soldiers' monument, 1 Turner hall, 4 fountains, 2 trust companies, 1 city farm, 3 depots, 9 greenhouses, 2 bandrooms, 33 bakeries, 2 waste, 2 business colleges, 1 battery building, 1 kitchen, 3 wardrooms, 1 gymnasium, 2 police stations, 8 garages, 1 driving park, 1 cement block.

MANUFACTURING ESTABLISHMENTS.

3 hosiery mills, 1 silver-plating, 1 iron foundry, 2 dye-houses, 4 machine shops, 6 clothing manufactories, 9 harness shops, 1 cornice works, 1 brush shop, 9 carriage shops, 13 cigar factories, 1 brass and copper foundry, 1 locomotive works, 1 grist-mill, 1 silk mill, 3 granite works, 1 electric light station, 4 sash and blind shops, 1 brewery, 11 shoe shops, 1 gas works, 4 slaughter-houses, 2 needle manufactories, 6 beer-bottling, 3 book-binderies, 6 box-makers, 1 paper-box manufactory, 1 hat manufactory, 1 broom manufactory.

MARKETS.

5 fish, 14 meat and fish, 5 meat, wholesale.

STABLES.

8 livery, 1,315 private.

OFFICES.

30 dentists, 1 telephone, 2 telegraph, 31 coal, 1 gas, 1 electric, 2 express, 16 printing.

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1910.

Streets.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.							Air valves.	Hydrants.
	20 in.	6 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8in	6in.	4in.		
High service Main*			4256			153		43		3			2		2			2
Force main, C. I. J. (L. S.)	1226		193							2								
Force main, C. J. (L. S.)	6738	63	324					75		2					3		2	3
Supply main † (L. S.)	8049	126	361			28				1			1		5		1	3
Adams, north								1308							3			
Alfred								340							1			1
Agawam							227							1				
Appleton								1694							3			4
Amherst							1010	4394						2	8			13
Arlington								1765							3			4
Ash								1253	954						4	2		1
Ashland						2264							3					
Auburn							1010	4104						1	8			13
Baker								2624							5			5
Bay								2711							6			2
Beacon								2101							4			1
Bedford						73		792					1		3			3
Beech					12194		7012	107				16		9	4	1	1	12

Belmont							1111	6839						2	13			8
Bell								1396							4			5
Birch								501							2			2
Blodget								1534							2			4
Bridge							5482	4316						10	10			21
Bridge (old)								282							2			1
Brook								3725							7			9
Brown avenue						9321	1919	2918					4		11			13
Buzzell								184	156						1	1		
Byron							1018							2				2
Calef road						4028	2952	732	312				4	1	4	1		5
Canal					226		6597	52						10				3
Candia road			7201			3316		156		1			4		7		2	10
Canton								771							1			1
Carpenter								1431							2			2
Cass								495							2			
Cedar							1010	3651						1	8			12
Central							1192	6234						2	12			18
Chase avenue								520							2			1
Cheney place									238									
Chestnut							1527	4949	1924					6	14	8		10
Concord							1010	4854						1	9			14
Church									147									

* High service station to Fletcher's crossing. † From old reservoir by Mammoth road and Massabesic street to Lake avenue.

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1910.—*Continued.*

Streets.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.							Air valves.	Hydrants.
	20 in.	6 in.	20 in	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8in.	6in.	4in.		
Cilley							1213	1389						1	3			1
Clarke								1949							3			4
Clay								2268							5			5
Clough								258							1			
Cohas							390							1				
Crown							344	4										1
Cypress								2348							7			4
Davis							175											
Dean								764							2			3
Dearborn								670							1			1
Delaware								354							1			1
Depot				835				29			1				2			2
Derry									147									
Derry road							807	12						1	1			1
Derryfield Shoe Co								542							2			1
Dickey road							288	7						1	1			1
Dix								2075							6			4
Dutton									471							1		
East High								3289							5			7

Edgemere								354						1			
Elm				12642	4134			347			17	4		10		1	10
Elm avenue									384								
Elmhurst								407						1			
Everett									355						1		
Foster avenue									308						1		
Franklin								1130						4			1
Garmon								347						1			1
Gertrude								324						1			1
Glendale								257						1			1
Glenwood								1017						3			2
Gore								1910						5			4
Gold								512						1			1
Granite				619			290	832			2		2	2			4
Green								1377						3			4
Grove, M. corp								231									
Grove, E. Manchester								1735						5			4
Hall							1025	1962					1	5			3
Hall road								1711						2			3
Hancock								1201						3			3
Hanover						1410	1010	6291				3	3	11			17
Hanover road						4569		79				1		2			2
Harrington								175						1			
Harrison								4682						10			11

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1910.— *Continued.*

Streets.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.							Air valves.	Hydrants.
	20 in.	6 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8in.	6in.	4in.		
Harvard								2148							4			3
Hayes avenue								472							1			1
Hayward					677			6862				1			10			14
Hazel									434							1		
High									858							3		
Highland								686							2			
Highland Park								1040							1			1
Hillcrest								272							1			
Hollis								756							3			3
Holly								576							1			2
Hosley								532							1			
Hospital								192										1
Howe								1531							4			3
Hubbard								376							1			1
Jane									637							2		
Jewett							1863	623						2	2			3
Jones								471							1			
Jo-selyn								539							1			1
Kennedy								517							1			1

Kidder								750							3			3
Kidder's Court								57	185						3			1
Knowlton								533							1			
Lake avenue	4354	45	104					4329		3					10		1	12
Langdon								460							2			2
Laurel								5748							10			13
Liberty								657	238						1			1
Lincoln								147	208						1	1		
Lingard								460							1			1
Londonderry road							3606	752						4	2			6
Longwood								1157							2			2
Lovering								364										
Lowell						7570	32	94				8			10	1		12
Malvern									907							3		
Mammoth road			7724					998		4					8		4	5
Mammoth road *							3461	36						3	4			4
Manchester							1010	4400						2	8			12
Maple						1437		2182	752				3		6	1		3
Maplewood								206										
Market								962							3			3
Massabesic			915					250		2								
Mead								362							1			
Mechanic								788							2			3

* South of Cohas avenue.

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1910.—*Continued.*

Streets.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.							Air valves.	Hydrants.
	20 in.	6 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8in.	6in.	4in.		
Merrill								377							1			
Merrimack							1550	6695						2	14			19
Merrimack to Laurel								250							2			
Middle								768							2			2
Mill avenue						84	464	6							1			1
Mitchell								1354							2			
Monroe								421							1			1
Morrison								370										
Myrtle							938	4319						1	9			13
Mystic								1050							1			1
Mystic avenue								498							1			1
Nashua									570							1		
Nelson								578							2			2
Norfolk								577							2			1
North					1942			81				2			2			4
North River road							4169	1124						6	1			7
Oakland								969							4			2
Old Falls road								562										1

Old Falls avenue								338						1			2
Orange							930	4039					1	9			13
Orchard avenue								1095						2			2
Page								1653						2			4
Park avenue								250						1			
Pennacook								1570						2			4
Pearl							1012	4076					2	9			14
Pennsylvania avenue								29						1			1
Pine							7516	2089					11	5			6
Platts avenue								200						2			
Pleasant								1076						3			4
Porter						1220		592				1		3			1
Prescott								318						1			1
Proctor road							1106						1				
Prospect								4640					1	9			13
Prout avenue								300						1			
Ray								854						2			2
Revere avenue								1018						3			
Riley								593						1			
Rosedale								435						1			1
Rowell							303	17					1	1			
Russell								750						2			
Sagamore								3466						5			8
Salisbury								388						1			1

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1910.—*Continued.*

Streets.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.							Air valves.	Hydrants.
	20 in.	6 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8in.	6in.	4in.		
Salmon								275										1
Shasta								2348							6			4
Silver								3543							5			5
Somerville					5185			1026				8			5			9
South								97	476						1	1		
Spring								752							2			3
Spruce							650	6165						1	8			14
Stark								874							2			3
State								1029							4			3
Stevens								325							1			
Summer								1702							5			4
Taylor								4762							7			5
Thayer								305							1			
Titus							1493	76						2	1			3
Trenton							1192	18						2				2
Union							2335	6756	319					2	13	2		7
Valley			3641	1923	2096			246		1	1	2			7			11
Victoria							256							1				

Vine								39	340							2		1
Vinton							138	690							1			1
Walnut							522	3140	1122						6	4		6
Washington									351							2		
Water								736							2			2
Wayland								202							1			1
Webster								3338							6			7
Welch avenue								10	328							1		
Wellington avenue								1228							2			1
Weston								1027							3			
Wilson						6137		10					11		1			1
Willow							6028	656	550					7	4	2		8
Woodbine								537							1			1
Woodland avenue								1212										3
Woodlawn or South Rd								985							1			2
Young								2079							3			2
WEST SIDE OF RIVER.																		
A								836							1			3
Abbott								133										
Adams								410							1			2
Alpine								12										
Allen							772	9						1				1
Alsace								1616							4			1
Amoskeag road (Eddy)						2922	14	10					2	1	1			1

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1910.—*Continued.*

Streets.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.							Air valves.	Hydrants.
	20 in.	6 in.	20 in.	14 in.	12 in.	10 in	8 in	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8in.	6in.	4in.		
Amory (north)							2342	27						2				3
Amory (sou'h)							2836	47						5				7
Avon								692							1			1
B								606							1			
Bank								304							1			1
Barr								254	260						1	1		
Bartlett							1801	28						1				3
Bath								517							1			2
Beauport								3603							5			1
Bedel								326										
Bell								565							2			
Bennington								48							1			1
Bismarck								1036							1			1
Blaine								1573							3			3
Boutwell								1687							4			2
Bowman								835	623						2	1		1
Boynton road							2739	2287						1	2			6
Bremer								1513							3			1
Bridge							580							1				

Brock								242							1			
C								637							2			2
Carroll								882							1			1
Cartier								3288							4			2
Charlestown avenue								790							2			1
Clement								304							1			1
Cleveland								1482							2			1
Clinton								563							2			2
Colby							253							1				
Columbus								283							1			
Coolidge avenue							1176							2				
Conant								1791							2			5
Cumberland								663							1			1
D								304							1			
Dartmouth								769							1			1
Davignon								235							1			
Dickey								929							1			2
Donahue								451							1			1
Donald							963	552						1	1			2
Douglas								2089							4			7
Dover									622							2		
Dubuque								3076							5			1
Dunbarton								1210							1			1
Erie							435							1				

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1910.— *Continued.*

Streets.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.							Air valves.	Hydrants.
	20 in.	6 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.		
Essex								666							1			2
Ferry																		
Forest								1554							2			1
Fourth								218							1			
Frederic								736							2			1
Front						1094	2514	41						2				5
George							391	477							1			2
Gifford							802	4						1				1
Glenwood								292										
Goffs								825							2			
Goffstown road								2674							3			5
Granite						900	620	1609	177				2	1	3	1		9
Green								260	260						1	1		
Hancock								1710							2			3
Harriman								281							1			
Harvel								50							1			
Head								1249							3			2
Henrietta								390							1			1
Hevey								2071							6			2

Highland								524							1			1
Hiram								256										1
Huntress								792										
Joliette								1484							4			2
Kearsarge								843							1			1
Kelley								3257							3			10
Koehler								1268							2			1
Laval								1742							4			3
Lafayette								991							3			
Log								230										
Log back street								283							1			
Main						11009	3786	54					14	2	2			6
Marion								290							2			2
Mast								3849							3			8
Mast (new)							3812	1838						4	2			7
McDuffie								527							1			2
McGregor							150	2167						1	3			3
McNeil								206							1			
Mills								586							2			3
Milford								2849							3			6
Milford lane								232							1			
Monitor								504							1			
Monmouth									204									
Montgomery								1076							3			

SCHEDULE OF PIPES AND FIXTURES LAID TO DECEMBER 31, 1910.— *Continued.*

Streets.	Length and size of cement-lined pipe laid.		Length and size of cast-iron pipe laid.							Gates set.							Air valves.	Hydrants.
	20 in.	6 in.	20 in.	14 in.	12 in.	10 in.	8 in.	6 in.	4 in.	20 in.	14 in.	12 in.	10 in.	8in.	6in.	4in.		
Morgan								288							1			
Omega								274	643						1	1		2
Oneida								738							1			1
Parker								5	1048							2		
Parker avenue									180							1		
Pinard								445							1			1
Piscataquog river							477							2		1		
Prince								598							1			2
Putnam								1490							5			2
Quincy								264	260						1	1		
Railroad								1606							2			1
Reed								481							1			1
Riddle								945							1			1
Rimmon							219	2575						1	4			1
Robie								836							1			1
Rochelle								285							1			
Rockland								2727							4			2
School								995							2			3
Second								6032							11			10

Schiller								566						1			1
Schuyler								215						1			1
Sheridan								758						1			1
Sherman								429						1			1
Shirley Hill road								654						1			
Sullivan								361	399					2	1		3
Third								442	357					2	1		1
Thornton								1776						2			3
Tilton								110	387						1		
Turner							1217	12	240				3	1			
Varnum								80						1			1
Walker								1308						2			4
Ward								606						1			
Warner								1265						2			1
Wayne								923						2			3
Wentworth								837									1
West								517	536					1	2		1
Wilkins								1850						2			4
Williams								250	208						1		
Wilton								283						1			1
Winter								1398	20					1	1		3
Woodbury								44						1			
Youville								626						3			2
Supply main*						3300		24				4		2	1		2
Total	20367	234	24719	16245	38318	49851	105986	367304	20095	19	21	46	56	143	822	63	12	899

Length of force main from low service pumping station to reservoir, 7,130 feet.
" " " high " " " to Oak Hill reservoir, 19,156 feet.
" " " " " " " to low service reservoir, 16,400 feet.

* Elm to S. Main, by Cove street.

DISTRIBUTION PIPES AND GATES LAID TO DECEMBER 31, 1910.

Size of pipe.	Cement-lined pipe.	Cast-iron pipe.	Gates.
20-inch diameter	20,367 feet.	24,719 feet.	19
14-inch "		16,245 "	21
12-inch "		38,318 "	46
10-inch "		49,851 "	56
8-inch "		105,986 "	143
6-inch "	234 feet.	367,304 "	822
4-inch "		20,095 "	63
	20,601 feet.	622,518 feet.	1,170

Cement-lined pipe	3.90 miles
Cast-iron pipe	117.90 "
Total pipe	121.80 miles

899 hydrants.
1,170 gates.
12 air valves.

Respectfully submitted,
CHARLES K. WALKER,
Superintendent.

Materials on Hand.

QUARTER TURNS.

5 12-inch.
1 8 "
5 10 "
1 6 "
4 14 "
2 4 "

PLUGS.

1 14-inch.
12 10 "
19 12 "
6 8 "
8 6 "
17 4 "

PIPE.

24 feet 24-inch pipe.
8,288 " 20 " "
720 " 14 " "
2,000 " 12 " "
3,550 " 10 " "

BENDS.

1 20-inch 1-8 bend.
1 8 " 1-8.
4 10 " 1-8.
2 20 " Y.
1 20 " 1-16.

PIPE.—*Continued.*

440 feet 8-inch pipe.
4,620 " 6 " "
1,370 " 4 " "
2,065 " 1 " "
171 " ¾ " "
100 " 2 " "
132 " 1½ " "
182 " 1¼ " "

BENDS.—*Continued.*

1 14-inch 1-8 bend.
1 12 " 1-8.
5 8 " offsets.
4 12 " "
12 6 " "
3 10 " "

BRANCHES.

2 single 12 on 12.
2 " 10 " 20.
1 " 6 " 20.
1 " 14 " 14.
1 " 12 " 14.
1 " 10 " 14.
2 " 6 " 14.
5 " 6 " 12.
1 " 4 " 12.
5 " 10 " 10.
3 " 6 " 10.
2 " 4 " 10.
3 " 8 " 8.
4 " 6 " 8.
39 " 6 " 6.
1 " 8 " 10.
4 " 4 " 8.
5 " 8 " 12.

BRANCHES.

1 double 4 on 8.
2 " 6 " 20.
1 " 8 " 14.
2 " 6 " 14.
15 " 6 " 12.
13 " 6 " 10.
4 " 8 " 8.
11 " 6 " 8.
10 " 6 " 6.
3 " 4 " 4.
1 " 6 " 8 on 14.
1 " 6 " 10 " 10.
1 " 4 " 6.
1 " 14 " 14.
9 " 8 " 12.

WHOLE SLEEVES.

2 20-inch.
6 14 "
3 12 "
6 10 "
7 6 "
4 4 "

GATES.

4 6-inch spigot.
5 8 " bells.
5 10 " "
3 4 " "
2 6 " "
1 14 " spigot.
2 14 " bells.
3 12 " "

REDUCERS.

1 14-inch to 10-inch.
1 20 " " 14 "
2 14 " " 12 "
1 12 " " 8 "
5 12 " " 6 "
7 10 " " 8 "
1 10 " " 6 "
11 8 " " 6 "
1 6 " " 4 "
21 hydrants.
22 pigs of lead.
59 stop boxes.
14 curb cocks.
15 gate domes.
22 1-inch corp cocks.
5 ⅝ " " "
79 ¾ " " "

REPORT OF THE BOARD OF HEALTH.

REPORT OF THE BOARD OF HEALTH.

To His Honor the Mayor:

The Board of Health submits the following report for the year 1910:

William K. Robbins was reappointed to succeed himself, and at the annual meeting held February 7, William J. Starr was elected president, and William K. Robbins clerk of the board.

The appropriation made by the city council for carrying on the work of the department during the year was $20,000.

The expenditures have been as follows:

OFFICE EXPENSES.

Salaries	$600.00
Labor	4,302.03
Office furniture	182.45
Printing, postage and stationery	255.90
Telephone service	85.67
Express	15.88
Disinfectants	182.70
Antitoxin	1,475.18
Diphtheria examinations	22.50
Quarantined families	48.85
Carriage hire and carfares	94.05
Supplies for laboratory	422.96
Milk samples	40.17
Lighting	11.51
Incidentals	50.56
	$7,790.41

ISOLATION HOSPITAL.

Salary of matron	$300.00
Fuel	479.94
Electric lighting	91.30
Board of patients	1,118.26
Nursing	1,974.00
Telephone service	73.55
Water	53.25
Hacks to hospital	148.00

Repairs and improvements	$417.21
Furniture and supplies	450.43
	$5,105.94

SMALLPOX HOSPITAL.

Salary of matron	$360.00
Fuel	12.25
Telephone service	25.00
Water	7.52
Electric lighting	12.00
Medical attendance	3.00
Vaccination	1,309.35
Repairs and supplies	356.46
	$2,085.58

Office expenses	$7,790.41
Isolation hospital	5,105.94
Smallpox hospital	2,085.58
Medical inspection of schools	1,062.31
	$16,044.24

Amount turned in from milk license fees	$401.00
Amount turned in from board of patients	242.22

It will be noticed that the regular office expenses are increased for labor owing to increase in salaries of former inspectors and the employment of an additional inspector, and by increased laboratory supplies in the form of new apparatus. They are less for antitoxin, quarantined families and carriage hire.

The expenses of the Isolation hospital show a decided decrease for nursing, board of patients and hacks to hospital, due directly to the decrease in number of patients treated.

The Smallpox hospital expenses are decidedly larger than usual, owing to repairs, or, rather, improvements, by installing apparatus for heating the building by steam, also by an increase for vaccination expense, occasioned by medical inspection of schools, which revealed many unvaccinated children.

The new account is for medical inspection of schools. Seven hundred and twenty dollars was required to pay the medical inspectors, and three hundred and forty dollars for printing, filing cases and supplies.

This made the grand total expended during the year $16,044.24, leaving $3,955.76 of the appropriation unused which was transferred to other accounts.

There was turned in to the city treasurer during the year from milk license fees $401, and from board of private patients at Isolation hospital $242.22, leaving the actual net expense of the department during the year $15,401.02.

MEETINGS.

The regular weekly meetings have been held as usual on Tuesday evenings. This gives the public an opportunity to meet the full board and bring before them any complaint or business which they wish to have adjusted, and is often taken advantage of.

Forty-one regular meetings and seven special meetings for trips of inspection and such business as required immediate attention, were held.

BACTERIOLOGICAL LABORATORY.

One hundred and eighty examinations for diphtheria have been made during the year, thirty-one being positive or true diphtheria, and one hundred and forty-four negative.

Forty-eight of the negative results were for the discharge of patients.

As in previous years these cultures have usually been sent to the state laboratory in Concord, but the examinations are made by Dr. A. G. Straw in our own laboratory, when occasion demands.

Complaints of the delay in obtaining results when cultures are sent to Concord have been more frequent than ever before, and many physicians have expressed themselves in regard to the need of a bacteriological branch of the state laboratory in this city.

PLUMBING INSPECTION.

The plumbing work during the year has been greatly increased, owing to the large number of tenement and apartment houses, which have been built to accommodate the increased population.

Very little trouble is experienced in enforcing the plumbing rules, as they have become too well known, and the necessity for them too well understood, to be questioned.

MILK INSPECTION.

The additional inspector employed this year was used for house-to-house sanitary inspection and was thus unable to be of as material assistance toward milk inspection as he doubtless will be the coming year. Besides the taking and testing of samples the board desires to extend the work to the improvement of conditions surrounding the production of milk at the farms, and for next year will ask the coun-

cil to provide a combination motor ambulance and runabout, which would allow fully three times as much to be accomplished in a given time in inspecting dairies.

During the year the evils of selling loose milk in the stores was much more evident than ever before, and the board sought to amend the regulations for handling milk by requiring all milk to be retailed in original packages filled at the dairy or milk depot, under conditions approved by this board.

These proposed amendments were referred by the board of aldermen to the subcommittee on public health. This committee held several hearings on the subject and made a majority report, favoring approval, but objection was raised in the full board.

The board of health appeared and explained the situation but the subject was finally laid on the table for further hearing and no further action was ever taken.

During the hearings the only serious objection ever raised against the original package system was the inconvenience it might occasion among milkmen in exchanging "overs," to adjust their supplies to demands.

This process is discouraged by the board because after that exchange the identity of the milk is lost and the responsibility for its condition is mixed and practically lost.

The position of the board is that the selling of loose milk on the streets and in stores is an insanitary, dangerous and unjust proceeding.

It is insanitary because the measure and the stirrer for mixing are not scalded nor even washed between sales, and the milk left adhering to them sours and catches particles of street and store dust, liable to contain all sorts of infectious material, which is washed off in mixing and measuring the next sale, and thus is liable to contaminate the milk with dangerous disease.

It is also unjust because in making many sales from the same can, the last sold is not so rich nor so clean as the first.

The aim of the board is to guarantee to the person who feels he cannot afford to maintain a refrigerator to keep milk cool at home, the same quality of milk bought at a store that his neighbor receives from his regular milkman, also to fix the identity of and responsibility for the purity of the milk.

The tests of many samples of milk from the stores show that it is left open to flies and dust about the store, is often found as warm as 70° F., and very often below the legal standard of quality.

The board has refrained from prosecuting the grocers because of the lost identity and mixed responsibility for its condition, which seems due more to the system than to the careless or wilful negligence of the grocer.

Therefore, those dealers whose product was found wrong, were invited to attend the meetings of the Board of Health, and explain the conditions, and forty-five milkmen and dealers responded to such invitations.

Their excuses were thoughtlessness of clerks, rush of business, and impossibility to avoid the results under the system.

They agreed unanimously that it is impossible for any person to retail an eight-quart can of milk in pints or quarts and have the quality as good in the last sale as the first.

Only one or two who happened to have hot water for other purposes claimed to scald the measure or stirrer once, the rest rinse once a day with cold water or not so often, and only a very few kept these utensils under cover or protected from dust.

The agreement was unanimous that the proper way to retail milk is in original packages.

Other cities where the original package system has been in use, report the system very satisfactory. It saves the dealers clerk hire, annoyance and responsibility, and they have no desire to return to the old system.

These amended regulations will be presented to the new board of aldermen for approval which we hope will be readily granted when all conditions are well understood.

The detail of work done will be found in the report of the milk inspector.

DISPOSAL OF REFUSE.

No change has been made in regard to the disposal of the city's refuse.

There have been, and probably always will be, complaints about the dumps. We believe that the Street and Park Commissioners have done all that could be done with the means at their disposal, but it can only be a question of time when some more sanitary method must be devised for the disposal of the city's refuse.

We most sincerely urge the council to supply the commissioners with funds to install some system of refuse destruction, which will be more sanitary and less expensive than the present expensive and dangerous method.

ISOLATION HOSPITAL.

As noted above, the expense for maintaining this institution was much less than during 1908 and 1909.

This is due entirely to the decrease of diphtheria and scarlet fever in the city.

The same efficient and painstaking matron, Mrs. Selma Flodin, has been in charge, and the system of previous years has been followed.

Seventy-five cases of diphtheria and nine cases of scarlet fever

were cared for, and as usual many of these patients came from homes where proper surroundings and care could not be provided, and thus in a sense, the institution can be credited with saving their lives, and at the same time it shielded many others from almost certain infection, sickness, and possibly death.

The board has always been compelled to hire hacks from livery stables to transport patients to and from the hospital.

These hacks have always been promptly disinfected and no case of infection is known to have occurred from them; at the same time the board has done this under protest, as it is not good sanitary practice and is quite expensive.

This year the city council will be asked for an appropriation for a motor vehicle, a combination ambulance and runabout, so that patients may be handled promptly, and with absolute safety.

This same vehicle can also be used by the members and inspectors for trips of inspection and especially for dairy inspection, as many of the dairy farms are so far away that reaching them all by horse-drawn vehicles, would scarcely be possible in a season.

No expense for chauffeur would be required, as any of the health inspectors could readily drive such a machine.

SMALLPOX HOSPITAL.

This is maintained in condition ready for immediate occupancy if required.

During the year the boiler which was taken out of the Isolation hospital, as being too small, was installed and piped up ready for use, so that now the building may be heated by steam, which will greatly increase its usefulness and especially its safety.

The maintenance of this institution with its continuously paid matron, is the continuance of a precedent of long standing, and the feeling of security given by it has pleased the community so that no complaint has been made about the expense of it.

However, in the present state of civilization, many people are questioning the wisdom or use of maintaining smallpox hospitals or even quarantining the disease.

Certainly, in a community properly vaccinated both hospital and quarantine are of no benefit whatever, since nobody could contract the disease, even though a person in the worst stage of it should travel in our cars, shop in the stores or even attend our schools.

Therefore the maintenance of hospital or quarantine is only for the convenience or protection of those who voluntarily deny themselves protection by vaccination.

Japan is probably the best vaccinated country in the world. They have no hospitals nor quarantine.

Germany is quite equally well protected. The Germans treat smallpox in general hospitals in wards with other patients.*

The efficiency of vaccination as a preventive of smallpox has been so overwhelmingly demonstrated that no fair-minded person of even ordinary educational and scientific attainments, can be quoted against it at the present time.*

If any evidence were needed it can be amply supplied by local experience.

During the epidemic of smallpox here, from 1900 to 1905, five hundred and fifty cases of all degrees of severity were handled by the Board of Health.

Dr. Parsons in treating was exposed to every one of them. The health inspectors and members of the board were exposed a great many times.

Physicians' offices and even the Board of Health office were visited by patients in the most contagious stage of the disease. Only one of the eight connected with the department had had smallpox, the rest were protected by vaccination, yet no one had the slightest sign of the disease.

Two vaccinated children lived in the house and played in the room with their mother while going through the most serious case that recovered, yet neither of them ever had a pimple.

This case was photographed and a picture of the woman is published on another page of this report.

The dangers of vaccination have been greatly magnified and overstated. It is one thing to show that a person suffers seriously after vaccination (and they are very few), and it is quite another to demonstrate that the trouble was actually caused by vaccination.

No intelligent person should question it for a minute, when it is remembered that the United States authorities vaccinated 3,500,000 persons in the Philippine Islands without a single death or even a case of serious illness resulting from it.*

Really a person who fears vaccination should be afraid to eat, because probably more people are choked to death in this country in a year than have suffered serious results from vaccination in half a century.

It must be remembered that the nonvaccinated person is the only one who can possibly have smallpox, and it may be contracted at any time because it has existed within two or three hours' train ride of this city during most of the year and as it closes.

The unvaccinated is liable to get the contagion from parlor car, passenger car or trolley, and should be afraid of it.

The rest of the people do not need to give it a moment's thought.

* From "Florida Health Notes," an exceedingly bright and valuable publication of the Florida State Board.

MEDICAL INSPECTION OF SCHOOLS.

Late in the season an appropriation of $1,500 became available for medical inspection of schools.

In order to do the work with full legal authority the board requested the board of mayor and aldermen to pass a suitable ordinance for this purpose. It was considered, and the Board of Health attended the meeting and explained matters fully, but the subject was finally laid upon the table and no further consideration given it.

It did not seem right that the schools should lose the benefit of inspection thus provided for, so the Board of Health established regulations of its own and proceeded under authority of the law relating to the enforcement of vaccination of school children by the Board of Health, doing the rest of the inspection in a purely advisory capacity.

REGULATIONS FOR THE MEDICAL INSPECTION OF SCHOOLS.

1. All the schools of the city shall be divided into districts and a school physician assigned to each district, with the title of Medical Inspector.

2. Each medical inspector, within the first two weeks of each school term, shall inspect each school building in his district relative to the sanitary condition of heating, lighting, ventilation and drainage; and shall examine every teacher, janitor and pupil in each school to which he is assigned for evidences of vaccination, contagious disease, and other bodily or mental defects which may endanger the health of others, and make a special report thereof.

He shall also during the month of June, at least one week before the annual election of public schoolteachers, furnish each such teacher with a health certificate upon a blank provided by the school board.

3. The medical inspector shall visit each of the schools in his district at least once each week, and in case of contagious disease or other emergency, shall make such other visits as are in his opinion necessary.

He shall also visit the school whenever the principal notifies him that his presence is desired.

4. Pupils affected with the following diseases shall be excluded from the schools without delay and the patients sent to their homes; viz.: measles, diphtheria, scarlet fever, whooping cough, mumps, smallpox, chickenpox, tuberculosis; any acute catarrhal affections of the eyes, ears, nose or throat, and when so excluded such pupil shall be furnished with a card stating the reason for the same, made out by the inspector, sealed in an envelope and directed to the pupil's parent or guardian.

5. For defects of vision or hearing, adenoids, pediculosis, eczema,

herpes, scabies, decayed teeth or tonsilitis, the medical inspector shall notify parents or guardian by card in sealed envelope taken by the pupil, and recommend that treatment be procured.

6. At the request of the superintendent of schools or of a truant officer the medical inspector shall visit at home a pupil alleged to be sick, to determine whether the pupil be really ill, and if so, whether the disease is one requiring action on the part of the school committee or Board of Health.

7. Teachers shall refer to the medical inspector every child showing evidence of ill health, and as far as practicable every child returning to school after an absence on account of sickness or from unknown cause, unless such child returns by permission of the Board of Health.

8. The medical inspector shall not prescribe for pupils except for pediculosis, nor shall he advise as to the choice of a physician except to suggest that the family physician be consulted.

9. Each medical inspector shall make a report to the Board of Health on the Saturday before the last Tuesday of each month, on blanks furnished for the purpose, of the number of pupils examined; the number of negatives, the number excluded, the number recommended for treatment or special adjustment of work; with diagnosis of excluded or recommended cases, copies of which shall be filed with the superintendent of schools or other person in authority.

The city was divided into six districts and a medical inspector assigned to each.

The actual work was thus delayed by many things and was not begun until the fall term, but met with the most hearty coöperation from both parochial and public school authorities and proceeded without friction.

The resistance encountered was so exceedingly small that it served only to remind the board that there is still an occasional person who prefers to be "different" rather than reasonable.

The results are most gratifying, especially when it is remembered that this, like any other new work, cannot be done to best advantage in the beginning.

The most important results are those relating to vaccination.

In all there were found over 4,000 children in the schools unvaccinated, and all but twenty-one of these complied with the law and were vaccinated.

About half of this number had reasonable excuses for temporary delay, and the other half, the board has good right to believe, are healthy and normal children, and the legal technicality resorted to to evade the required vaccination, is shame upon their parents as well as a reflection upon the sincerity of the physician signing the certificate.

Happily, there are now only these twenty-one who need have any fear if a person sick with smallpox should join in the schools plays or even recitations.

Probably the most surprising result is the number of children afflicted with pediculosis (head lice); since these vermin pass from one to another and may readily carry dangerous diseases with them, it is a serious consideration, and is the more so because in many families lice are so common that little or no effort is made to eradicate them.

A surprisingly large number of cases of tonsilitis were found.

As some physicians class slight enlargement of the tonsils by this name, it is believed that comparatively few cases of acute tonsilitis, or real sore throat, were found.

However, the observations show that the condition of children's throats should be watched with greater care.

The table of results will show that a number of other dangerous diseases were found and children excluded from school until cured.

Some cases of overcrowding were found in the public schools and many in the parochial schools; some of the latter being on the third floor of the building, with but a single wooden stairway as means of egress, which makes a serious risk in case of fire.

Now that a start has been made it is easy to see the benefits to result from regular inspection of the schools, both as to safety of the public health and efficiency of school work.

Some results of the inspection are given in the following tables:

Not vaccinated	4,098
Whooping cough	13
Tuberculosis	5
Scabies	9
Herpes	52
Ringworm	10
Pediculosis (5th district not reported)	774
Eczema	12
Nose, catarrhal	59
Eyes, "	21
Ears, "	13
Adenoids	620
Tonsils, chronic	1,360
Vision, defective	314
Hearing, "	248
Decayed teeth	1,219
Epilepsy	5
Ulcer of leg	1

THE TREATMENT OF VARIOUS FOOD-PRODUCTS IN COMMERCE.

The request of the Board of Health that the city ordinances provide for better care in handling milk, including its sale in original packages, does not represent all of the reforms that the board would like to inaugurate.

It would have all food products exposed for sale on sidewalks or in stores, placed beyond the possibility of defilement by dogs.

All food which is to be consumed without peeling or cooking should be protected from flies and dust of store or street; such as candy, pickles, vegetables, berries, fruits, and products of bakeries like bread, crackers, cookies, etc.

Bread especially should be covered with clean, unused paper at the bakery.

The filthiness of handling bread, observed by, and reported to this board, is often nauseating.

All these reforms can be carried out without serious inconvenience or expense, and are already being observed by some of the candy stores, groceries and bakeshops.

If customers will insist upon buying only food that is properly cared for most dealers will do it voluntarily and others should be compelled to.

CONTAGIOUS DISEASES.

The total number of contagious diseases during the year was three hundred and twenty-six, a much smaller number than for several years past, and of this number one hundred and ten were measles.

There were one hundred and seventy-one cases of diphtheria and membranous croup with twenty-five deaths, fifteen cases of scarlet fever, from which no deaths resulted, and thirty cases of typhoid fever with eight deaths.

Pneumonia, which is usually the most fatal of all diseases, was less so during last year, causing one hundred and twenty-seven deaths.

Tuberculosis and cholera infantum were also less fatal, as will be shown in the table of comparisons.

The tables of statistics and the reports of the inspectors shown on the following pages give some interesting information.

In concluding this report we would extend our thanks to the public in general, and to the mayor and city government in particular, for the assistance and encouragement received from them in discharging the duties of this department.

Respectfully submitted,

WILLIAM J. STARR.
WILLIAM K. ROBBINS.
GUSTAVE LAFONTAINE.

TABLE No. 1.

COMPARISON OF STATISTICS OF CONTAGIOUS AND INFECTIOUS DISEASES FOR THE PAST 26 YEARS.

Years.	Membranous croup.		Diphtheria.		Typhoid fever.		Measles.		Scarlet fever.		Varioloid.		Small-pox.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
1885.....	*	*	*	18	*	20	*	5	*	36	*	....	....	....	*	79
1886.....	*	*	*	9	*	12	*	....	*	5	*	...	....	....	*	26
1887.....	*	*	73	17	28	18	94	4	*	9	....	...	....	...	*	48
1888.....	*	*	126	30	35	12	44	1	187	9	....	....	....	..	392	52
1889.....	*	*	79	23	36	16	259	5	54	4	....	....	....	....	428	48
1890.....	*	*	41	9	36	17	63	3	298	6	....	....	....	....	438	35
1891	*	*	21	2	76	18	25	....	89	2	....	....	....	....	211	22
1892.....	*	*	26	5	33	11	44	2	451	11	..	....	....	....	554	29
1893.....	*	*	7	1	79	15	110	5	212	2	....	....	....	....	408	23
1894.....	12	12	42	11	74	21	67	3	223	8	....	....	....	....	418	55
1895.....	17	11	47	11	73	21	55	4	68	1	....	....	....	....	260	48
1896.....	17	14	103	28	81	20	500	3	61	1	1	..	....	....	763	66
1897.....	14	10	148	29	78	11	387	3	54	1	....	....	....	....	681	54
1898.....	10	4	81	17	145	14	88	3	200	9	....	....	....	...	524	47
1899.....	6	3	50	6	78	12	762	5	130	3	....	...	...	....	1,026	29
1900.....	8	5	38	8	65	11	827	1	102	6	10	....	52	....	1,102	32
1901.....	3	3	18	3	55	11	15	....	48	9	16	....	178	...	333	25
1902.....	16	9	135	22	49	8	765	5	33	2	...	....	28	...	1,026	46
1903.....	26	16	146	17	62	10	112	1	37	2	1	....	161	....	545	46
1904.....	15	5	64	10	64	13	69	....	67	1	9	....	105	1	393	30
1905.....	15	9	132	22	51	9	859	4	53	1	...	....	1		1,111	45
1906.....	25	13	172	30	32	5	23	....	93	1	....	....	....		345	49
1907	15	9	240	20	37	8	513	3	32	....	....	....	....	....	837	38
1908.....	26	9	436	32	143	18	55	....	55	....	..	...	....	...	715	59
1909.....	15	4	316	29	34	11	747	4	85	....	...	....	..	...	1,197	42
1910.....	13	5	158	20	30	8	110	...	15	....	....	...	....	....	326	33

TABLE No. 2.

Months.	Membranous croup.		Diphtheria.		Typhoid fever.		Measles.		Scarlet fever.		Varioloid.		Small-pox.		Totals	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January..	2	1	26	5	2	1	55	.....	3	.....	.....	.....	.....	.....	88	7
February..	1	1	16	....	2	.....	19	.....	....	.....	..	....	....	..	38	1
March.....	1	1	16	2	.....	1	11	.....	2	.....	.....	.....	.....	....	30	4
April.....	2	.....	10	2	2	1	1	.....	2	....	..	....	....	....	17	3
May.....	1	.....	8	3	1	.....	14	.....	2	.....	.....	....	....	....	26	3
June.....	.....	.....	12	1	3	2	6	.....	1	.....	.....	.....	....	....	22	3
July.....	.....	.....	4	....	5	1	.....	.....	1	.....	....	...	.....	....	10	1
August....	.....	.....	7	1	5	1	.....	.....	.....	....	...	....	....	.....	12	2
Septemb'r	.....	....	17	....	4	.....	1	.....	.....	....	....	...	....	.....	22	....
October...	1	....	18	2	1	.....	1	.....	2	.....	.....	....	..	....	23	2
November	3	.....	10	2	2	.....	2	.....	2	....	....	....	....	....	19	2
December	2	2	14	2	3	1	.....	.....	.....	....	....	....	....	....	19	5
Totals...	13	5	158	20	30	8	110	....	15	.....	....	....	....	..	326	33

TABLE

SOME COMPARISONS OF VITAL STATISTICS

	1891.	1892.	1893.	1894.	1895.	1896.	1897.	1898.
Population estimated	45,500	48,000	50,000	55,000	55,000	56,000	60,000	60,000
Number of deaths, exclusive of stillbirths	880	963	971	977	1,020	1,051	1,018	1,001
Deaths, per thousand of population	19.34	20.06	19.42	17.76	18.54	18.77	16.97	16.68
Deaths of children under five years	396	500	527	546	549	531	631	521
Ratio, deaths of children to total deaths, percent	44.66	51.92	50.62	55.89	53.82	50.52	61.98	52.04
Deaths of children per thousand of population	8.64	10.42	10.54	9.91	9.98	9.48	10.50	8.68
Deaths from zymotic diseases	181	153	137	209	2.13	227	226	254
Deaths from zymotic diseases per thousand of population	3.98	3.18	2.74	3.80	3.97	4.05	3.77	4.23
Cholera infantum	122	103	89	40	146	129	110	122
Tuberculosis	84	89	79	74	76	112	88	73
Croup	7	3	4	24	14	20	14	10
Diphtheria	2	5	1	11	10	28	29	17
Bronchitis	38	39	44	56	59	51	86	45
Pneumonia, all forms	72	39	53	81	86	77	105	72
Heart disease, all forms	38	48	46	52	75	77	64	50
Scarlet fever	.....	2	5	3	4	1	1	9
Typhoid fever	18	11	15	8	21	19	12	14
Measles	2	11	2	4	1	3	3	3
Whooping cough	5	.....	2	.....	2	3	13	2
Smallpox	.....	.....	.....	.....	.....	.....	.....	.....

No. 3.

FOR THE LAST TWENTY YEARS.

1899.	1900.	1901.	1902.	1903.	1904.	1905.	1906.	1907.	1908.	1909	1910.
60,000	56,987	56,987	56,987	60,000	62,000	62,000	64,000	65,000	67,000	68,000	70,000
1,068	1,167	1,131	1,092	1,106	1,006	1,327	1,243	1 220	1,113	1,349	1,146
17.80	20.47	19 84	19.12	18.43	16.22	21.40	19.40	18.76	16.60	19.82	16.37
541	561	554	622	556	477	677	575	594	550	656	557
50.65	48.07	43.99	56.95	50.27	47.41	58.55	46.21	48.68	40.43	48.59	48.60
9.01	9.84	9.71	10.91	9.26	7.69	10.91	8.98	9.13	8.20	9.63	7.95
203	244	283	238	225	201	267	264	231	279	318	251
3.38	4.28	4.96	4 17	3.75	3.24	4.30	4.12	3.55	4.16	4.52	3.58
78	119	121	98	92	72	79	69	67	70	91	62
91	100	81	78	87	87	109	95	80	90	101	84
10	6	5	12	17	6	12	15	10	9	5	5
6	8	3	22	17	10	22	30	20	32	29	20
65	40	38	55	40	31	23	34	53	26	45	38
113	118	105	120	112	101	132	120	130	79	155	127
57	77	75	54	73	55	74	79	91	82	80	67
3	6	9	2	2	1	1	1	.....	.....	.....	.....
12	12	11	8	10	13	9	5	8	18	11	8
5	1	.....	.....	1	.....	4	.....	3	.....	4	.....
15	3	8	5	5	4	4	17	9	9	11	4
.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....

TABLE No. 4.

TABLE SHOWING THE MORTALITY OF THE CITY BY DISEASES AND BY MONTHS FOR THE YEAR 1910.

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Abscess of brain	1				1	1	1						4
Accident, asphyxiation			1							2	2		5
" burned				2	1								3
" drowned			1			2	1	1					5
" fall				2	1			1	1	3		1	9
" gunshot wound										1			1
" railroad					1	1							2
" run over by team							1						1
Addison's disease										1			1
Alcoholism					1							1	2
Anæmia			1			1	1		1			1	5
Aneurism, aortic				1									1
Angina pectoris	2			2					4		1		9
Apoplexy	5	6	1	9	5	5	2	3	5	4	4	4	53
Appendicitis			1		1		2			2			6
Arthritis, chr. rheumatic											1		1
Asthenia			1										1
Asthma									1				1
Ataxia, locomotor									1		1		2
Atelectasis, pulmonary		1											1
Brain, congestion of						2	1						3
" softening of		1					1						2
Bronchitis	5	2	4	1	4	2	2		2	1	1	8	32
" capillary	2	2								1		1	6
Cancer of bladder											2		2
" breast	1			1		1	1		1	1	1	2	9
" face								1					1
" intestines						1		1		1	1		4
" lip											1		1
" liver			1					1		2			4
" optic nerve						1							1
" rectum					1								1
" stomach			2	1	1	3			2	1		1	11
" throat								1					1
" uterus	1	1	1		1		1		1		1		7
Carbuncle						1							1
Cellulitis, diffused						1							1
Cholangitis, superative				1									1
Cholicystitis		1											1
Cholera infantum		1			1	2	16	16	17	5	2	2	62
Colitis, entero	1							1	1				3
" ileo	1	1						2					4
Compression of funis				1									1
Convulsions	3	4	1	3	1	1			3		1	3	20
Croup, membranous	1	1	1									2	5
Cyanosis			2		1				1				4
Cystitis			1	1	1		1		1				5
Dementia, senile		1											1
Diabetes	2	1	2		2	1	1			1	1		11
Diphtheria	5		2	2	3	1		1		2	2	2	20
Dropsy	2		1									1	4
Dysentery				1							1		2
Embolism, cardiac						1							1
Empyema	1	1			1								3
Endocarditis	2	2	1	2		1	1		2		1		12
Enteritis			1							1	1		3
" gastro		2		2		1	3	7	3	2	4	2	26
" tubercular											1		1
Epilepsy								1		1			2
Erysipelas	2		1										3
Fever, typhoid	1		1	1		2	1	1				1	8
Foreign body in larynx											1		1
Gangrene, senile		1											1
" of lower limbs										1	1		2
Gastritis	1	2		1		1		3	1			1	10

TABLE No. 4.—*Continued.*

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Goitre, exophthalmic				1						1			2
Haemetemesis											1		1
Heart, dilatation of		1	1							3			5
" disease of	6	1	3	3	3	3	1	2		5		2	29
" hypertrophy of			2								1		3
" mitral insufficiency of									1				1
" mitral regurgitat'n of		2		1	1						2		6
" paralysis of	1												1
" valvular disease of	2	2	4	1	3	1	1		1	2	3	2	22
Hemiplegia	1								1				2
Hemorrhage from kidney				1									1
" post partum			1										1
" pulmonary						1							1
" umbilical	1						1			1			3
Hepatitis	1												1
Hernia, strangulated								1					1
Hydrocephalus						1							1
Indigestion, acute	1	1	1		2	2		2	2			2	13
Influenza				1								2	3
Injuries at birth		1					1						2
Intestinal obstruction		2	2	1				2		1			8
Intoxication, auto					1								1
Liver, cirrhosis of				1				1					2
" hypertrophy of										1			1
Leucocythemia											1		1
Lungs, congestion of												1	1
Lymphaticus, status						1	1						2
Malnutrition		1	1			1	2	1	4	1	2	1	14
Marasmus	5	8	9	5	3	6	8	9	12	11	9	4	89
Mastoiditis									1				1
Meningitis	7	8	2	5	4	5	4	1	2	2	3	4	47
" cerebro-spinal					2			2		2			6
" tubercular		2	5	1	2	3	1	3	1	1	2	2	23
Myelitis, anterior polio	1											3	4
" lumbar											1		1
Myocarditis			2			2						2	6
Nephritis	4	3	3	4	4	4	1	2	2	2	6	2	37
" chronic interstitial			1		2	2		2			1		8
Œdema of brain						1		1					2
" pulmonary								2			1		3
Old age	4	2	3	6	2	1			1	2	4	3	28
Paralysis	2		2	2				1	2	1		2	12
Paresis					1								1
Pericarditis					1				1				2
Peritonitis	1	1	3	1	1	2	1	1	1	2	1	1	16
" tubercular						2							2
Pertussis								1		2		1	4
Phlegmosia, albadolous	1												1
Pleurisy								1					1
Pneumonia	17	13	11	8	8	3	2	4	1	4	6	7	84
" broncho	6	8	2	6	2	2		2	1	2	3	3	39
" pleuro	2	1											3
" typhoid				1									1
Premature birth	1	3		2	4	2	4	2	5	4	1	3	34
Pupura, hemorrhagic							1						1
Pyemia		1	3										1
Rheumatism, chronic		1											1
Sclerosis, arterio	3		2	1	4	1		1	1		1		14
Scrofula							1						1
Septicæmia	1			1	1		1		1		1		6
Septic inflammation of pleura	1												1
Spina bifida			1	1						1			3
Stenosis, pyloric					1								1
Stillborn	15	10	11	7	9	6	4	7	13	15	11	10	118
Suicide by hanging							1				1		2

TABLE No. 4.—*Concluded.*

Causes of Death.	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.
Suicide by illuminating gas	....	....	....	....	....	....	....	1	...	..	....	....	1
Surgical shock	....	...	....	1	....	1	....	1	...	....	....	....	3
Tonsilitis	....	....	....	....	....	....	...	....	....	....	....	1	1
Tuberculosis	6	2	2	1	....	....	....	1	....	2	....		14
" of bladder	....	....	1	....	...	....	...	...	....	....	..	....	1
" of glands	....	..	....	....		.	....	1	...	....	...	....	1
" of intestines	....	...	....	...	...	1	....	1	1	..	....	...	3
" pulmonary	8	6	2	7	9	5	5	6	2	5	2	8	65
Tumor, abdominal	...	..	....	....	....	1	....	....	....	....	....	....	1
" of brain	....	....	....	....	..	....	...	...	1	..	...	...	1
" malignant	....	...	..	...	....	....	1	....	....	....	....	...	1
Ulcer, duodenal	1	....	....	..		....	....	....	....	....	....	....	1
" gastric	1	....		....	1	.	..	1	...	....	....	....	3
Unknown	....	....	1	....	....	.	....	....	1	....	....	....	2
Uræmia	....	4	1	....	3	2	...	2	1	2	1	1	17
Vomiting of pregnancy	....	....	...	1	....	....	...	....	....	....	....	....	1
Totals	139	115	110	105	102	95	79	106	108	108	97	100	1264

PHOTOGRAPHS OF PATIENTS TAKEN DURING THE EPIDEMIC OF SMALLPOX IN THIS CITY.

A picture of the woman whose two vaccinated children played in the room with her while she was sick, without contracting the disease.

This picture shows what may happen to a child who is not protected by vaccination.

REPORT OF THE INSPECTOR OF PLUMBING AND MILK.

Gentlemen of the Board of Health:

I beg leave to submit the following report of the inspection of milk during the year 1910:

Number of samples milk, skim milk, and cream tested...	1,329
brought in by milk dealers and citizens	140
collected by inspectors.....	1,189
below standard, April 1 to September 30	24
below standard, January 1 to March 31 and October 1 to December 31	57
letters written to dealers and others.....	120
dealers found selling without a license.....	9
wagons improperly marked.....	24
Average butter fat from January 1 to March 31 and October 1 to December 31.....	3.96%
Average butter fat from April 1 to September 30.....	3.68%
Average acidity from January 1 to March 31 and October 1 to December 31.....	.151%
Average acidity from April 1 to September 30.....	.144%
Average specific gravity at 60° F. from January 1 to March 31 and from October 1 to December 31.....	1.0306
Average specific gravity at 60° F. from April 1 to September 30	1.0304
Average butter fat in 39 samples cream.....	30.36%

Thirteen percent of the milk samples collected from grocery stores were found to be below standard.

Four percent of the samples collected from milkmen were below standard.

Every sample was tested for formaldehyde and many additional tests were made for colostrom cells, coloring matter, carbonates, salicylic acid, boric acid, cream thickeners and other adulterations.

During the year I have notified fifty milk dealers to appear before the board for violating the milk laws, and this has proved effective in stopping minor violations.

The number of licenses granted during the year was 276; 75 of these were granted to milkmen, 163 to proprietors of stores, and 41 to people keeping cows and selling milk from their own premises.

The sum of four hundred and one dollars was collected for license fees.

The collectors of milk samples made a record during the summer months of all store dealers found violating the sanitary milk rules, and these dealers were notified to appear before the board at a regular meeting.

The results of this investigation show that seventy-five cans of milk were found outside of the refrigerator and thirty-seven of these had the stoppers removed.

Seventeen cans were found open in the refrigerator.

The temperature of the milk found outside of the refrigerator was also taken and in nearly every instance was found to be too high, some of it being as high as 70° F.

Although the collectors have taken very many more samples of milk from the milkmen than from the storemen, we find that the majority of samples below standard are from the stores retailing milk from cans.

This should be proof enough that the milk is handled carelessly, and that the consumer is getting a poor quality of milk.

Several new pieces of apparatus have been added to the laboratory this year, among which is a Zeiss Immersion Refractometer, a Stewart Apparatus for Milk Analysis, a Gerber Dirt Filter, and an Electric Babcock Machine.

The immersion refractometer facilitates the measurement of the refractive indices of fluids.

In ordinary practical work the divisions of the scale, as read off in the ocular, give immediately the desired result of measurement.

The process of measurement applies to the examination of various products as to their purity, the analysis of standard solutions, and the rapid and very exact determination of the concentration of solutions.

The addition of water to milk perceptibly affects the degree of refraction of its serum, to such an extent that added water can almost always be detected by the immersion refractometer.

The Stewart apparatus for milk analysis was devised by Dr. A. H. Stewart, of the Bacteriological laboratory, Philadelphia Health department, to facilitate the examination of milk.

Its use renders it easily possible to estimate the percentage of puss cells, bacteria and insoluble matter contained in milk and to reject with little delay unclean and disease producing milk.

The sample of milk is subjected to a powerful centrifugal process and is made to yield practically all such solid impurities in a concen-

trated slime, the examination of which is equivalent to the examination of the total volume of milk from which it is thrown out.

By a microscopical examination of this milk sediment it is possible for us to make a direct count of the leucocytes and bacteria of the sample.

We can test very quickly many samples of milk, determining the general condition of these with respect to sediment and pus, with sufficient accuracy to enable us to approve positively those samples which contain a very small number of bacteria, and to condemn positively those samples which contain an abnormal number of bacteria.

The Gerber Dirt Filter consists essentially of a tapering bottle with the bottom cut off, with a special cap covered with netting that fits over the neck to hold cotton disks or pads.

This is used inverted, the milk poured into the funnel thus formed is filtered through the cotton disks, and in passing through the filter all of the dirt, hair, etc., is retained on the cotton disks so that the amount of dirt and foreign solids may be readily seen.

These disks are then mounted upon cards and numbered so that they may be identified.

A pint of milk is used for each test, therefore one disk may be compared with another and graded as clean milk, slightly dirty, dirty, very dirty and extremely dirty milk.

These results will be very useful in making inspections of the farms where milk is raised and prepared for sale.

The inspector can take with him evidence showing that the milk is not as clean as it should be, look for the cause, and make suggestions as to how it may be remedied.

With our increased facilities for doing laboratory work we hope that much more may be accomplished during the coming year.

Respectfully submitted,

CARL O. SEAMAN,
Milk Inspector.

PLUMBING FIXTURES SET.

Number of tank water closets	1,187
sinks	738
bathtubs	815
washbowls	651
washtrays	417
urinals	15
refrigerators	20
slophoppers	8
showerbaths	30
rain leaders	96
Other fixtures not classified above	31
Total number of fixtures put in	3,978

Number of plumbing notices filed	465
water tests of soil pipe made	772
stacks of soil pipe made	807
smoke tests of soil pipe	46
defects and leaks found	303
complaints investigated	41
fixtures and pipes found unserviceable and repaired	36
letters written	26

One hundred and fifty-five consultations with owners, tenants, agents, plumbers, etc., were held.

A total of 2,110 inspections were made of the work during its progress and after its completion.

The plumbers of the city have been unusually busy during the year, and it is safe to say that the grade of work done and of materials used, improves each year.

Among the large jobs completed last year was the Coolidge mill of the Amoskeag Manufacturing Co., which contains over one hundred plumbing fixtures.

This job was planned and executed by the engineers and mechanics of the corporation in a very workmanlike and sanitary manner, and the company has reason to be proud of it.

Another large job was the new Hillsborough county jail, with nearly one hundred and fifty plumbing fixtures, making the building as sanitary as any in this part of the country.

The county commissioners should be given credit for providing such a safe and sanitary building for the unfortunates committed to their care.

The Board of Health has ruled that no direct pressure flushing valve shall be used on water closets unless the main water pipe, from the street main to the water closet supplied, is at least one and one quarter inches in diameter throughout its whole length.

This is the only recent change which has been made in the plumbing rules.

Respectfully submitted,

CARL O. SEAMAN,

Plumbing Inspector.

SANITARY INSPECTORS' REPORT.

Gentlemen of the Board of Health:

We beg to submit the following as the report of the work of the sanitary inspectors for the year 1910:

Vaults and privies inspected	40
Vaults inspected after cleaning	16
Waterclosets inspected	4,129
Urinals inspected	105
Sinks inspected	2,636
Yards and alleys inspected	1,109
Cellars inspected	2,371
Barns and outbuildings inspected	180
Tenements inspected	3,143
Barn cellars inspected	207
Teams and riggings of excavators inspected	10
Soaperies and slaughterhouses inspected	29
Vaults and privies ordered cleaned or repaired	24
Urinals cleaned or repaired	36
Yards and alleys cleaned	377
Cellars cleaned	526
Barn cellars cleaned	45
Sheds, etc., cleaned and inspected	100
Tenements cleaned	68
Waterclosets cleaned or repaired	1,291
Sinks trapped or repaired	317
Leaky drainpipes repaired	82
15 cesspools were inspected and 11 ordered cleaned.	
101 swill boxes and chutes were inspected and 63 ordered cleaned.	
Houses within 100 feet of the public sewer and not connected therewith	18
Filthy hallways and roofs ordered cleaned	54

Openings other than leaks in the drainage system were found in 33 places and same were ordered closed by the department.

Three hundred and sixty-four bathtubs and washtrays were inspected.

Sewage was found running upon the surface of the ground in 23 places, and such nuisances were abated either by entering the sewer or carrying away in some manner not offensive.

In doing the work of the department it has been necessary to make 6,208 calls and to write 698 letters.

Four hundred and seventy-eight complaints have been investigated.

In 412 cases the inspectors have been able to give relief, and in 66 cases it was found that no cause existed or that same was beyond the control of the department.

Twenty-one complaints were made against the scavenger service; in each case the proper parties were notified and relief afforded.

Eighty-six persons were found throwing garbage in the back streets and were warned against the practice.

Private swill collectors have been warned 70 times to be neater in their work.

Fifty-three dead animals have been properly disposed of.

Eighty-nine hens and small animals have been removed from cellars.

Eighty-one swine and cows have been discovered being kept within the sanitary limits of the city without licenses. The same were ordered removed or licenses procured.

Ten notices have been prepared and served and proper returns made.

Fifty-two catch basins or street cesspools have been inspected, and 25 have been flushed or repaired by order of this department.

A sanitary inspection has been made of 46 bakeshops and 63 stores, and 20 bakeshops have been ordered cleaned. Theaters have been inspected 16 times, circuses 2, and sausage factories 16 times.

Fifteen laundries, 19 factories, 12 restaurants, 26 hotels and boarding-houses, 6 creameries and 2 cemeteries were inspected. Twenty-eight junk dealers were found storing rags and junk without a license, and 4 were arrested.

The dumps have been inspected 32 times; found insanitary 10 times. One hundred and twenty nuisances not otherwise classified have been abated through the efforts of this department.

Permits to the number of 1,527 have been granted for the burial and removal of dead bodies, and the returns forwarded to the city registrar.

A statement of mortality has been prepared each month and copies sent to about 300 other towns and cities, to local physicians, etc.

Weekly reports of contagious diseases have been sent to the State Board of Health at Concord, the Marine Hospital service at Washington, D. C., and to the superintendent of schools, and the city librarian. Samples of water, oysters, and ice cream were sent to the state laboratory for analysis. Eleven hundred and eighty samples of milk were collected.

Contagious and infectious diseases have been reported as follows: Measles, 110; diphtheria, 158; typhoid fever, 30; scarlet fever, 15; membranous croup, 13; smallpox, 0; total, 326.

The inspectors were unable to trace the cause in 161 cases; in 51 cases the connection with some previous case was clearly traceable. Twelve cases were contracted outside of the city, and in two cases it was reasonable to attribute the cause to insanitary surroundings.

In some cases disinfectants were being used and the inspectors ordered their use in other cases. At most of these places instructions were given as to their use, and in many cases the department furnished the disinfectants.

In some cases patients were found well isolated, and in other cases inspectors were obliged to order isolation, and in all cases to give instructions as to the steps to be taken.

Houses were watched to see that the rules of isolation were complied with, and several funerals were attended to prevent a too public observance of the same.

Twelve hundred and forty-five rooms where diseases had existed were fumigated by the inspectors; 317 of these were for tuberculosis.

About 3,000 pamphlets issued by the State Board of Health have been distributed in localities where contagious diseases existed, and 10,000 cards on tuberculosis.

The shores of Lake Massabesic were patroled by the inspectors on Sundays, holidays, and through the week during the summer season.

Icefields from which ice was being cut were inspected and several picnics and band concerts were attended to prevent the careless disposal of waste and rubbish in the lake or on its shores.

Respectfully submitted,

JOHN F. LOONEY,
WILLIAM B. BLAKE,
JOSEPH X. DUVAL,
Sanitary Inspectors.

REPORT

OF THE

SUPERINTENDENT OF SCHOOLS.

In Board of School Committee.

December 30, 1910.

The Superintendent presented his annual report to the committee, and it was accepted.

Voted, That the report by the superintendent be accepted and adopted as the report of the board, and that it be transmitted to the city councils for publication in the annual City Report.

HARRY L. DAVIS,

Clerk.

SCHOOL DEPARTMENT.

Organization, 1910.

SCHOOL COMMITTEE.

EUGENE E. REED, 636 Somerville street. *Mayor, ex officio Chairman.*
JAMES B. FITCH, 735 Chestnut street,
President Common Council, ex officio.
EDWARD B. WOODBURY, *Vice-Chairman of the Board.*
HARRY L. DAVIS, *Clerk of the Board.*

WARD 1. Joseph W. Abbott, 1480 Elm street.
Sumner M. Patten, 3 Canal street.
WARD 2. George M. Davis, 156 Orange street.
Allan M. Wilson, 293 Myrtle street.
WARD 3. Frank L. Downs, 108 Ash street.
Thomas Chalmers, 590 Beech street.
WARD 4. William A. Phinney, 450 Manchester street.
Edward P. Morrill, 296 Laurel street.
WARD 5. John F. Lee, 224 Central street.
Joseph P. Devine, 267 Chestnut street.
WARD 6. Harry L. Davis, 552 East Spruce street.
G. Waldo Browne, 329 Massabesic street.
WARD 7. Edward B. Woodbury, 1 Pleasant street.
Albert W. Thompson, Franklin, corner West Merrimack St.
WARD 8. Walter B. Mitchell, 178 Milford street.
Frank A. Cadwell, 142 Douglas street.
WARD 9. Aime Martel, 350 Bartlett street.
Antoine Menard, 270 Coolidge avenue.
WARD 10. Francis X. Lyons, Goffe's Falls.
John H. Rice, 191 Jewett street.

SUPERINTENDENT OF PUBLIC INSTRUCTION.

CHARLES W. BICKFORD.

Residence, 1077 Union street. Office, City Hall building.

SUPERINTENDENT'S CLERK.

FANNIE L. SANBORN.

Residence, 277 Laurel street.

TRUANT OFFICER.

CURTIS W. DAVIS.

Residence, 849 Chestnut street.

STANDING COMMITTEES.

Finance.—Mayor Reed, Messrs. Fitch, H. L. Davis, Woodbury, and Cadwell.

Text-Books.—Messrs. Wilson, Mitchell, and Woodbury.

Music.—Messrs. Lyons, Browne, and Abbott.

Drawing.—Messrs. Thompson, Patten, and Martel.

Manual Training.—Messrs. Rice, Thompson, and Cadwell.

Examination of Teachers.—Messrs. Chalmers, Lyons, and G. M. Davis.

Fuel.—Mr. Phinney, Mayor Reed, Messrs. Fitch, Lee, and Menard.

Repairs.—Messrs. Rice, Downs, and Thompson.

Attendance.—Messrs. Morrill, Abbott, and Wilson.

Health.—Messrs. G. M. Davis, Mitchell, and Devine.

SUBCOMMITTEES.

High.—Messrs. Wilson, Downs, Mitchell, G. M. Davis, and Chalmers.

Amoskeag.—Messrs. Martel, Wilson, and G. M. Davis.

Ash-street and Webster's Mills.—Messrs. Downs, Thompson, and Devine.

Bakersville and Mosquito Pond.—Messrs. Lyons, Phinney, and Patten.

Chandler.—Messrs. Lee, Woodbury, and Cadwell.

Franklin-street.—Messrs. Woodbury, H. L. Davis, and Lee.

Goffe's Falls and Highland.—Messrs. Devine, Cadwell, and Lyons.

Hallsville and Harvey.—Messrs. H. L. Davis, Rice, and Menard.

Lincoln-street and Youngsville.—Messrs. G. M. Davis, Lee, and Rice.

Main-street.—Messrs. Mitchell, Chalmers, and Browne.

Merrimack-street.—Messrs. Abbott, Devine and Phinney.

Parker.—Messrs. Chalmers, G. M. Davis, and Martel.

Pearl-street.—Messrs. Morrill, Menard, and Downs.

Rimmon.—Messrs. Menard, Abbott, and Wilson.

Spring-street.—Messrs. Patten, Browne, and Woodbury.

Straw.—Messrs. Thompson, Patten, and Chalmers.

Varney.—Messrs. Cadwell, Lyons, and Abbott.

Webster-street and Stark.—Messrs. Phinney, Mitchell, and Thompson.

Wilson.—Messrs. Browne, Martel, and Morrill.

Kindergartens.—Messrs. Rice, Downs, and Mitchell.

Evening Schools.—Messrs. Lee, Morrill, and H. L. Davis.

SUPERINTENDENT'S REPORT.

To the School Board, the City Councils, and the Citizens of Manchester:

The following is presented as the sixty-fourth report of the school department of the city. It is the fifty-fifth report of a superintendent, the eleventh of the present officer, and covers the school year from July 15, 1909, to July 15, 1910.

THE YEAR'S WORK.

The notable achievements of the year have been the inauguration of a system of medical inspection for all of the schools of the city; the creation of a new course of study reducing the years of the elementary course from nine to eight; the creation of a permanently elected, salaried corps of substitute teachers who devote their entire time to teaching in the schools; the increase in the force of janitors, giving a janitor for practically every building; the creation of the office of schoolhouse agent for the purpose of securing efficiency and economy among janitors, the reconstruction of the course of study for the manual training school; two additions to school buildings, the Bakersville and Rimmon, to provide needed sittings for pupils, and the opening of school yards as playgrounds for children of the various districts.

MEDICAL INSPECTION.

In accordance with a recommendation of the committee upon health, the school board one year ago petitioned the board of health to undertake the medical inspection and supervision of all school children in the city. An appropriation for this purpose was granted to the Board of Health by the city council at the beginning of 1910. The systematic inspection was begun during the term just passed.

The Board of Health selected a corps of six physicians and apportioned the various schools among these in such a manner as to give each physician approximately one sixth of the school children of the city. The work was inaugurated and has continued according to the following rules promulgated by the Board of Health.

RULES GOVERNING MEDICAL INSPECTION OF SCHOOLS.

1. The medical inspection of all schools in the city of Manchester shall be under the direction of the Board of Health, who shall employ the inspectors, fix the compensation and term of service.

2. All the schools of the city shall be divided into districts and a school physician assigned to each district, with the title of Medical Inspector.

3. Each medical inspector, within the first two weeks of each term, shall inspect each school building in his district relative to the sanitary conditions of heating, lighting, ventilation and drainage; and shall examine every teacher, janitor and pupil in each school to which he is assigned for evidences of vaccination, contagious disease and other bodily or mental defects which may endanger the health of others and make a special report therefor. He shall also during the month of June, at least one week before the annual election of public schoolteachers, furnish each such teacher with a health certificate upon a blank provided by the school board.

4. The medical inspector shall visit each of the schools in his district at least once each week, and in case of contagious disease or other emergency, shall make such other visits as are in his opinion necessary. He shall also visit the school whenever the principal notifies him that his presence is desired.

5. Pupils affected with the following diseases shall be excluded from the schools without delay and the patients sent to their homes; viz.: measles, diphtheria, scarlet fever, whooping cough, mumps, smallpox, chickenpox, tuberculosis; any acute catarrhal affections of the eyes, ears, nose or throat, and when so excluded such pupils shall be furnished with a card stating the reason for the same, made out by the inspector, sealed in an envelope and directed to the pupil's parent or guardian.

6. For defects of vision or hearing, adenoids, pediculosis, eczema, herpes, scabies, decayed teeth or tonsilitis, the medical inspector shall notify parents or guardians by card in sealed envelope taken by the pupil, and recommend that treatment be procured.

7. At the request of the superintendent of schools or of a truant officer, the medical inspector shall visit at home a pupil alleged to be sick, to determine whether the pupil be really ill, and if so whether the disease is one requiring action on the part of the school committee or Board of Health.

8. Teachers shall refer to the medical inspector every child showing evidence of ill health, and as far as practicable every child returning to school after an absence on account of sickness or from unknown cause, unless such child returns by permission of the Board of Health.

9. The medical inspector shall not prescribe for pupils except for pediculosis, nor shall he advise as to the choice of a physician except to suggest that the family physician be consulted.

10. Each medical inspector shall make a report to the Board of Health on the Saturday before the last Tuesday of each month, on

blanks furnished for the purpose, of the number of pupils examined; the number of negatives; the number excluded; the number recommended for treatment or special adjustment of work; the diagnosis of excluded or recommended cases, copies of which shall be filed with the superintendent of schools or other person in authority.

The reports of the medical inspectors have not as yet been tabulated, and no authoritative statement can be made at the present time in regard to the good accomplished by the inspection. Numerous cases of pediculosis, adenoids and skin disease have, however, been found and some operations have been performed in consequence of the inspection.

Medical inspection is productive of great good through the discovery and curing of diseases and physical defects. It may be equally productive of good by fostering more healthful conditions in the schoolroom and by inculcating hygienic habits of life.

TEETH.

We are told that ninety percent of adults and sixty percent of children have defective teeth. Professor Osler has said that in his opinion more physical deterioration is produced by defective teeth than by alcohol. The mouth is the gateway to the stomach. In it takes place the first step in the digestion of food, i. e., its reduction to a semifluid, finely separated mass through the action of chewing and mingling with the saliva. The failure of this process throws undue work upon all the other organs of digestion. Malnutrition and a lowered vitality may be the result of defective mastication. With a well-cared for mouth the liability to tuberculosis, pneumonia, diphtheria and certain other diseases is lessened.

It is to be expected that the report of the medical inspectors will show a large proportion of children with defective teeth. These defects will be reported to parents and a certain small percent will be remedied.

The experience of other municipalities at home and abroad has shown that it is profitable to attend to the teeth of pupils at public expense, "That the cost of keeping the teeth in order is more than compensated for by better health, that the child becomes physically stronger, secures a higher average in his studies, is easier to control and is apparently happier, and that time is thereby saved to the school."

I recommend that the school board devise a plan whereby free dental work, or work at a greatly reduced rate, may be provided for such children as need the same and are unable to secure it.

In general: The adequate medical supervision of the schools must include a systematic study of the health of the pupils on the part of the teacher. School efficiency is directly in the ratio of health effi-

ciency. The teacher should observe and record for the medical officer's inspection the condition of sight and hearing of the child, judge of his nutrition, the character of his motions, voice, postures, gait, etc. In short, should make a close physical study and record of each pupil. The placing of this duty upon the teacher's shoulders will be of incalculable advantage to herself as well as to the pupil. It will give complete information about the child and cause the work of teaching to be done in the fullest knowledge of the causes of the mental states so far as these are induced by physical conditions. It is necessary for the teacher to follow up the cases found by the medical inspectors that they may not be lost sight of and that a proper record of the same may be kept.

Principals and teachers have been directed to coöperate with the medical inspectors in every way possible to further the ends of the inspection.

COURSE OF STUDY.

A special committee, as provided by the rules of the board, was appointed upon April 2, 1909, to revise the course of study. The committee proceeded with its work and had ready a course of study for the elementary schools to be presented to the board at the beginning of the present calendar year. At the special meeting of December 28 the committee was authorized to print its report upon the basis of eight years. The course was revised and presented to the board at the April meeting for its action. At a special meeting on the evening of April 6, the report with an amendment in regard to the admission of pupils to the high school was adopted.

The new course provides for the admission of pupils to the primary school at the age of six years. An amendment to the rules of the board presented at the September meeting proposing to so change the rules as to conform to the previously adopted course of study was defeated. As a result beginners were received in September last from the age of four years and eleven months up. A large proportion of these pupils, perhaps seventy percent, may be expected to require nine years to complete the elementary course. We may expect that the percentage of retardation in the grades will be materially increased by this action. Should this increase not occur we may expect that the high school will receive an unusually large number of pupils under the age of fourteen years.

The new course of study lays out the work for the grades topically and quite definitely. The change from nine to eight years rendered necessary the elimination of two of the old classes. This provided an opportunity for a reclassification of the pupils upon the ground of ability.

No pupil has been held back by the change. Every pupil entering

previous to the present year was expected, normally, to complete the course in nine years. Pupils continued work from the point where they left off in June with in some cases a brief review and this chiefly in a rereading of some books. In some cases double work has been done and pupils have gained a half year, in a very few cases a year, thereby. The chief burden entailed has been in the third and fourth grades, where during the present year three half years of work in elementary geography will be done instead of two. The placing of a half year of oral work in this study in the second grade has proved a wise measure, materially enriching its work.

The provisional course has fitted conditions better than was to be expected and so far as now known few changes will be necessary to put the course in permanent form.

SUBSTITUTE TEACHERS.

The election of a permanent corps of six substitute teachers has enabled overcrowded schools to be at once cared for and has provided additional teachers for non-English-speaking pupils.

The design of the rule creating this corps was, in addition to supplying occasional vacancies among the regular teachers, to provide extra teachers in such buildings as needed the same to work with both backward and ambitious pupils in order that the first might keep up with their work and that the second might gain time in completing the course. This last is, it seems to me, a sufficient reason for the creation of the substitute list.

The demand for additional teachers has been so great that no individual work has been done in any school by these substitutes, and occasional absences among the regular teachers have been filled not by the elected substitutes, all of whom are doing practically permanent work, but by others as provided by the rules.

For the full accomplishment of the purpose of the rules, this substitute list should be increased to nine at least.

SCHOOLHOUSE AGENT AND JANITORS.

The school buildings in cleanliness, attractiveness and hygienic condition should be models for every child attending school. The change in the rules providing more janitors and creating the office of schoolhouse agent is a step to bring more nearly to practical realization this state of things.

The presence of janitors during school hours at the school buildings to perform minor duties for the teachers, to make small repairs and to maintain a general oversight of the property is much appreciated by the teachers.

The study of the various heating systems by the schoolhouse agent should result ultimately in a standardized system of heating for all of the school buildings, one that will secure proper ventilation, adequate heat and the consumption of a minimum quantity of fuel. The general criticism upon the temperature of rooms is not that it is too low but that it is too high, and this high temperature coupled with foul air is fatal to the best mental efforts of both pupils and teachers.

The abolition of dusters and the use of cloths in their stead in the schoolrooms will meet the hearty approval of all. The more nearly possible it becomes to have dustless schoolrooms the less is there liability to the spread of contagious and infectious diseases. The ability of the present agent in his line of work is a guarantee of what may be accomplished by the new rule.

BAKERSVILLE AND RIMMON ADDITIONS.

The common council of the city appropriated $7,500 for an addition to the Bakersville school and a like amount for an addition to the Rimmon building. With these sums two-room additions to both buildings have been constructed, giving in the case of the first, sittings for ninety-six pupils, and in that of the second, sittings for eighty-four pupils.

The two rooms on the third floor at Bakersville have been discontinued, but any further increase in the pupils of that district will necessitate the use of one of these.

The rooms are well lighted and well ventilated and their average cost, $3,750 per room, is considerably less than the cost of similar rooms in new buildings. The seats in both additions are fully occupied.

ENROLLMENT AND ATTENDANCE.

The total registration in all the schools of the city, exclusive of duplicates, has been for the year 6,521. These pupils have been classified as follows: 625 of high school grade, 1,627 of grammar school grade, 1,240 of middle school grade, 2,711 of primary school grade, 88 ungraded, and 230 of kindergarten grade.

The registration exceeds that of the preceding year by 130.

The average membership has been 5,541, the average daily attendance 5,100. These figures exceed those for the preceding year by 204 and 164 respectively, and are the largest in the history of the public schools.

The percentage of attendance has been 90.2.

The number of tardinesses has been 9,156, the average per pupil being 1.65. For the preceding year the average was 1.51 per pupil. The number of pupils not absent or tardy has been 244. The following list shows the total number of tardinesses for, together with the average membership of, each building.

TABLE I.

Schools.	Average Membership.	Tardinesses.
High	589	2,614
Amoskeag	124	130
Ash-street	323	302
Bakersville	241	192
Chandler	269	114
Franklin-street	262	488
Goffe's Falls	66	256
Hallsville	414	956
Highland	60	108
Lincoln-street	332	346
Main-street	322	229
Merrimack-street	193	690
Parker	265	254
Pearl-street	134	117
Rimmon	226	525
Spring-street	237	323
Straw	254	79
Varney	325	298
Webster-street	276	227
Wilson	345	278
Youngsville	61	98
Ungraded	77	532
Kindergartens	146	.....
Totals	5,541	9,156

The Ash-street, Bakersville, Chandler, Main-street, Parker, Pearl-street, Straw, Varney, Webster-street, and Wilson schools have averaged less than one tardiness per pupil for the year. The Straw school again stands first in punctuality.

CHANGES AND TRANSFERS.

The following teachers have severed their connection with the schools during the past year: Miss Bessie Adams of the high school, Miss May Woodcock of the Amoskeag school, Miss Nettie M. Baker of

the Webster-street, Miss Gertrude Pyne of the Goffe's Falls and Highland schools, Miss Elizabeth Robertson and Miss M. Emma Roberts of the Lincoln-street school, Miss Gertrude Brooks of the Straw school, Miss Rebecca Grant of the Rimmon school, Miss Mary Walsh of the Varney school, Miss Bertha Kemp of the Hallsville school, Miss Clydie M. Flanders of the Merrimack-street school, Miss Blanche M. Folsom of the Parker school, and Miss Marion Clough of the Straw kindergarten.

The vacancies created by these resignations have been filled by the election of some new teachers and by the transfer of others already members of the teaching force.

At the high school, Miss Anne G. Towle was elected to the vacancy caused by the death of Miss Annie W. Colby, whose obituary was published in the last report of this body; Miss Mildred Fritz was elected to succeed Miss Adams, and Mr. Norris D. Blake was employed as an additional teacher in the business department.

At the Amoskeag school, Miss Mildred Morey, transferred from the Stark district, was made primary teacher in the school made vacant by the resignation of Miss Woodcock. The vacancy at the Stark was filled by the election of Miss Jennie Bowden.

At the Webster-street school, Miss Lillian Whitney of the Franklin-street was elected to the vacancy caused by the resignation of Miss Baker, Miss Whitney's place being taken by the election of Miss Frances Barndollar.

Miss Elizabeth McKelvie was elected assistant at the Goffe's Falls and Highland schools vice Miss Gertrude Pyne.

At the Lincoln-street school, the vacancies caused by the resignations of Misses Robertson and Roberts were filled by the transfers of Miss Gertrude Adams from the Varney school and Miss Josephine Paige from the Franklin-street school. The vacancy caused by Miss Adams' transfer was filled by the transfer of Miss Bertha Marden of the Amoskeag school, this last vacancy being filled by the election of Miss Annie O'Donoghue. The vacancy caused by Miss Paige's transfer was filled by the promotion of Miss Mary Morrow from the next lower grade and the election of Miss Hattie Read to teach the school formerly taught by Miss Morrow.

At the Straw school, Miss Maude Willand, transferred from the Rimmon, succeeded Miss Gertrude Brooks. Miss Willand's place being taken by Miss Louise Bryson.

At the Rimmon school, Miss Sarah Hodgman was elected to the vacancy created by the resignation of Miss Grant.

At the Varney school, Miss Mary Trinity was elected to the vacancy caused by the resignation of Miss Walsh.

Miss Marion Smith was elected to succeed Miss Bertha Kemp of the Hallsville school, and Miss Hazel Porter to succeed Miss Flanders of

the Merrimack-street school. Miss Ethel Bartlett was transferred from the Webster's Mills school to the vacancy created by the resignation of Miss Folsom, Miss Bartlett's school being taken by Miss Phoebe Riley. Miss Hazel Dustin was elected assistant at the Straw kindergarten to succeed Miss Marion Clough.

ACCOMMODATIONS.

Notwithstanding the fact that the capacity of the Rimmon building was increased by seventy-two sittings during the past summer, there would still be twenty pupils without seats were all registered in the school to be present on any one day. The number of seats normally belonging to the building is two hundred and sixty-four. The registration for the month of November was two hundred and eighty-four. The principal conducts his classes in an anteroom on the second floor. Fifty pupils are registered in one non-English-speaking class. The appearance of these pupils at school is the cause of the present congestion. It appears that there is urgent need of more room. The need may be met in three ways: first, by the construction of another two-room addition to the building; second, by the purchase of a portable schoolhouse; third, by hiring a room outside of the present building and transferring thereto the special class of fifty.

The first I believe to be the best solution of the problem and I recommend that this board request of the city council a sum sufficient to add two rooms to the present Rimmon building.

The annual report for 1909 set forth briefly the needs of the district served by the Merrimack-street school. The conditions have grown worse rather than better during the year. There are now in the building two hundred and twenty-seven pupils, fifty-six of whom are in special classes. The number of teachers employed is seven. So far as the number of pupils is concerned the work might be done easily by five teachers. The present waste because of insufficient room is at the rate of $800 per year. In this district the fluctuation in attendance is greater than in any other and accordingly there is need of flexibility in the matter of rooms.

Judging the future by the past, conditions will become such that it will be impossible to house the pupils to say nothing of the cost involved in hiring separate teachers for the small anterooms of the building.

Six commodious rooms are needed in this district together with baths and an opportunity to provide food for certain pupils. I recommend that the board present the needs of this district to the city council for its action.

The Highland school building was completed and occupied in January, 1903. The building is a four-room structure, the second floor of which is unfinished. For more than two years a teacher has devoted

one half of her time to assisting in this school. The number of classes and the number of pupils at the present time warrant the finishing of the two rooms upon the second floor, and I recommend that an appropriation for that purpose be included in the budget for school purposes soon to be presented to the council.

The Youngsville school, opened late in the fall of 1909, has a capacity of ninety-six seats. It covers the work of all the grades. There are two rooms in the building. The lower is of primary grade. Because of the number of classes thus thrown into the grammar room it has become necessary to employ an assistant teacher. This assistant conducts her classes in the hallway.

This section of the city is a growing one. The near future, if the present rate of increase continues, will see a dearth of sittings in this school.

HIGH SCHOOL.

This board one year ago voted to ask of the city council an appropriation for the purpose of building an addition to the high school. It was stated at that time that the building was filled to its normal capacity. The present membership is six hundred and thirty-six, twenty-five greater than one year ago. It is the part of wisdom to plan for the future when the needs of the future can be plainly seen. Manchester is a city of seventy thousand population. It should have at least twelve hundred students in its high school. It will have more than it has at present. I recommend that an appropriation be requested for the purpose of securing additional high school accommodations.

In the high school course of study drawing is optional. The course covers two years, the first and second, with one period of work each week. No credit towards a diploma is allowed for the work done. A pupil desiring to enter a technical school must receive outside instruction. I believe that the best interests of the city will be subserved by placing mechanical drawing upon a par with the other subjects and allowing it to count toward a diploma. I recommend that a course in mechanical drawing covering four years with five periods per week be offered in the high school course of study.

I am in receipt of a communication from Mr. Abbott, supervisor of music, in relation to music in the high school course. I am heartily in accord with the ideas expressed and give below the letter.

MANCHESTER, N. H., December 23, 1910.

Mr. Charles W. Bickford, Superintendent of Schools:

MY DEAR MR. BICKFORD:—I recommend most earnestly that at the earliest possible date the following courses in music may be made a part of the regular high school curriculum.

COURSE I.

Music Appreciation.

Through this course students become familiar with the representative works of the master musicians. A love for good music is cultivated and through repeated hearing the student learns to know and to appreciate the best things in music as, in the English classes, he learns to appreciate the best in English literature.

For this course an automatic piano player is a necessity and one of the best Victor talking machines is of the greatest value. Every student should be required to take this course.

COURSE II.

Applied Music.

For students of singing, pianoforte, organ and instruments of the symphonic orchestra. Students of this course, which is elective and accredited, pursue study with private teachers, at their own expense outside of school hours.

COURSE III.

Theoretical.

Designed to prepare students for college entrance examinations in music. Elective and accredited. This is also of especial interest and help to those who intend to make music, in some form, a lifework but are not planning to attend college.

Respectfully submitted,

A. J. ABBOTT.

MANUAL TRAINING SCHOOL.

The time has arrived when the educational value of manual training, with proper courses, is not to be questioned. Our school, established in 1893, has had a steady and uniform growth. Designed originally for pupils of the eighth and ninth years, there have been annually among its students classes of high school pupils varying in number from eleven to thirty-five. The attendance for the fall term in 1900 was two hundred and thirty-seven, the present attendance is three hundred and seventy-six. The corps of instructors has been increased during the past year by one, a special teacher of drawing, and now numbers four. The school is well equipped except as to benches and has reached a point of excellence never before attained by it. The benches at present in the school have been in use seventeen years. It is possible to replace them at a cost of eleven dollars per bench, and I recommend that an appropriation of $345 be included in the estimate of expenses for the coming year for this purpose.

The course has been remodeled by the principal, retaining the application of principles formerly taught, but placing emphasis not so

much upon the principles themselves as upon their application. The purpose of this revision has been to provide better and stronger incentives. Each piece of work possesses either the quality of utility or that of beauty, or it possesses both. The schedule of problems in the revised course is here given:

1. Sandpaper block.
2. Bench hook.
3. Plant stand.
4. Keyboard.
5. Box (square joints), four compartments.
6. Thread box (lap joints), holds two dozen spools.
7. Small bracket shelf (blank model, pupil to work out design).
8. Photograph frame (mitered joints).
9. Bread board.
10. Match safe (wood back, front, craftsman's copper or brass).
11. Problem in dove-tailing (practice piece).
12. Handkerchief box (dove-tailed corners, hinges and lock.)

Supplementary.

Waste basket (hexagonal or octagonal).
Boot-blacking set or stand.
Towel rack.
Sleeve ironing board.
Calendar and thermometer pad.
Letter box.
Diploma frame.
Umbrella stand.
Necktie box.
Plantstand (various forms).
Paper rack.
Magazine rack.
Platerack.
Glovebox.
Toilet glass.
Photoholder.
Desk.
Small tables.
Library and study tables.
Clocks.
Checker and chess boards.
Handglass.
Footrest.
Medicine and bathroom cabinets (two models).
Desk blotters.
Watch stands.

Book steps, shelves and cases (three models).
Book rack (extension model).
Coat and hat racks (two models).
Taborets (three models).
Shelf bracket and shelf.
Photograph frame (oval).
Crumb tray.

Turning.

Cylinder, square and V grooves.
Beads, fillets and hollows.
Card plates and receivers, plain and inlaid.
Thread box with needle cushion.
Boxes of different sizes and for different uses.
Napkin rings.
Inkwell holders.

The older pupils are urged and encouraged to work out problems of their own and are not necessarily confined to those provided by the school.

The work is individual. Talks are given upon different woods, their uses and habitats, also upon the uses of the various tools and the principles involved in their construction.

The need of a new building to house this school has long been recognized by those familiar with the present structure. The rooms are crowded, those on the lower floor being dark and poorly ventilated. The school report for 1907 stated that money was needed to repair the structure. Question has been raised as to its safety. In view of the large number of pupils attending the school, the importance of the work and the desirability of providing courses in mechanical drawing for the high school pupils, this board should take some action towards replacing the present structure.

The school requires much more room. The needs of the present and of a number of years to come would be met by a plain, two-storied building, of mill construction, covering nearly the entire lot occupied at present. Such a building would give about 12,000 feet of floor space, more than three times that of the present building, provide an ample, well-lighted draughting room, plenty of bench room, and an opportunity for the better placing of the machinery at present in use. The basement would afford an opportunity for forge work. With such a building the present crowded condition of the high school could be somewhat relieved by providing a mechanic arts course, thus placing a portion of the high school pupils in the manual training school for a portion of each day. I have sought advice as to the cost of such a building and am informed that it would approximate $18,000. I urge this matter upon your attention.

RESUME OF TEN YEARS.

It has been customary at intervals of a few years to present statistics in regard to the cost of schools and their increase. There is given below a table, No. 2, showing the total amount expended, amount expended for free text-books, the average number of pupils, the cost per pupil for all purposes, the cost per pupil for free text-books, and the rate of taxation for all school purposes for each of the past ten years.

TABLE II.

Showing the total amount expended, the amount expended for free text-books, the average number of pupils, the total cost per pupil for all purposes, the cost per pupil for free text-books and the rate of taxation for school purposes for the years 1900-10 inclusive.

Year.	Total expended.*	Amount expended for text-books.	Average number of pupils.	Total cost per pupil.	Cost per pupil for text-books.	Rate.†
1900.....	123,187.08	5,016.16	4,388	28.07	1.14	.0036
1901.....	129,253.87	5,000.00	4,552	28.39	1.09	.0038
1902.....	136,461.16	6,160.77	4,876	27.98	1.26	.0039
1903.....	142,856.40	5,822.32	4,774	29.92	1.21	.0042
1904.....	144,447.39	6,489.11	4,889	29.54	1.32	.0042
1905.....	148,222.00	7,168.26	4,817	30.77	1.48	.0041
1906.....	149,269.96	7,135.92	4,907	30.41	1.45	.0040
1907.....	149,888.60	7,180.73	4,995	30.00	1.43	.0039
1908.....	157,438.67	7,147.02	5,163	30.49	1.38	.0046
1909.....	159,769.54	7,125.29	5,337	29.93	1.33	.0043
1910.....	166,218.91	7,185.99	5,541	30.00	1.29	.0045

Another table, No. 3, is given showing the increase in schools, teachers, pupils, etc., for the same period of time.

*Exclusive of appropriations for new buildings, additions, and permanent improvements in 1907, 1908, 1909, 1910.

†For all purposes.

TABLE III.

Year.	Average number of schools.	Average number of teachers.	Graduated from grammar schools.	Entered high schools.	Graduated from High school.	Average membership High school.
1900.....	126	135	225	152	72	380
1909.....	146	166	286	198	107	544

From the above two tables it will be seen that the expenditures have increased practically twenty-three percent, the membership twenty-one percent, the cost per pupil six percent, the number of schools fifteen percent, the number of teachers twenty-three percent, the number of grammar school graduates twenty-seven percent, the number entering the high school thirty percent, the number graduating from the high school forty-eight percent, the average membership of the High school forty-three percent.

The average cost per pupil for all schools for the ten years has been $29.55. The average cost per pupil for textbooks and supplies has been $1.31. The average for the preceding ten years was $1.25. These outlays are moderate.

The total expenditures and the number of pupils have increased by the same percentage and this percentage is greater by two than the increase in pupils. The opening of four kindergartens with their assistant teachers will account for the greater percentage of growth in the teaching force.

During the ten years the salaries of women teachers have been advanced by eleven percent. It would then appear that economies have been practiced in items of expenditure other than the salary item.

It costs the city, on the basis of last year's expenditures, to give one pupil schooling for one day in the

High school	26½	cents
Elementary schools	13½	"
Evening common schools.....	8¾	"
Evening drawing school.....	13⅓	"

Additional sittings have been provided for pupils as follows:

1903, Highland school.....	96
1904, Goffe's Falls school.....	72
1906, Chandler school	392
1908, Hallsville school	192
1909, Youngsville school	45

1910, Bakersville school	96
1910, Rimmon school	72
Total	965

The average membership has increased up to the present time by 1,153 pupils. The provision of sittings has not kept pace with the numerical increase in the schools.

In the appendix will be found a table showing the appropriations and expenditures for eleven years. A similar table is to be found in the report for 1900.

RETARDATION.

The annual report for 1909 treated the matter of failures in the grades to the extent of publishing two tables showing the number of pupils failing each year, in each school, at the January and June promotions. Similar tables are published in the present report.

TABLE IV—January, 1910, promotion.

Schools	No. of beginners Sept. 1909	1st year	Not advanced	2d year	Not advanced	3d year	Not advanced	4th year	Not advanced	5th year	Not advanced	6th year	Not advanced	7th year	Not promoted	8th year	Not promoted	9th year	Not promoted	Total in half year	Total failures
Amoskeag	11	38	12	20	1	11	.....	12	.....	15	..	15	.....	6	.....	4	.....	9	.....	130	13
Ash-street	20	44	16	29	.....	23	.....	14	.....	28	1	44	3	63	1	36	.....	42	.....	323	21
Bakersville	25	40	4	49	6	32	1	25	.....	25	1	28	.....	19	....	18	.....	6	.....	242	12
Chandler	41	88	32	34	2	37	.....	38	.....	35	1	39	.....	.....	.....	.....	.....	.....	.....	271	35
Franklin-street	17	30	11	33	5	20	.....	40	2	40	2	38	.....	24	.....	18	.....	19	.....	262	20
Goffe's Falls	2	18	4	5	.....	7	.....	10	.....	.....	.....	3	.....	10	.....	10	.....	6	.....	69	4
Hallsville	44	89	33	60	2	47	3	50	.....	45	.....	42	.....	44	.....	13	.....	32	.....	422	38
Highland	7	14	.....	.....	.....	15	.....	.....	.....	9	.....	8	1	13	2	.....	.....	2	.....	61	3
Lincoln-street	27	58	17	21	2	24	.....	48	6	41	2	44	2	51	1	33	4	31	.....	351	34
Main-street	36	82	34	66	.....	71	7	44	3	46	.....	30	..	.....	.....	.....	.....	.....	.....	339	44
Merrimack-street *.	66	104	66	30	.....	26	.....	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	174	66
Parker	30	62	27	48	6	37	.....	26	1	35	.....	32	3	18	1	6	.....	.....	.....	264	38
Pearl-street	47	48	13	32	1	21	.....	25	1	16	1	.....	.....	.....	.....	.....	.....	.....	.....	142	16
Rimmon *	29	43	21	24	4	25	.....	25	.....	32	10	20	7	15	5	4	.....	12	.....	200	47
Spring-street *	41	72	17	15	.....	31	.....	27	.....	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	157	17
Straw	13	41	4	32	.....	26	.....	49	.....	36	2	28	1	32	4	15	.....	.....	.....	259	11
Varney	33	64	26	34	1	25	2	24	.....	28	.....	32	4	46	4	24	4	51	.....	328	41
Webster-street	22	48	14	28	1	41	2	19	1	23	.....	28	.....	23	2	20	.....	49	2	279	22
Wilson	36	46	6	43	3	48	2	41	3	35	2	43	1	37	.....	23	.....	21	.....	337	17
Youngsville	15	27	6	.....	.....	11	2	12	.....	9	.....	.....	.....	3	3	.....	.....	.....	.....	62	11
Harvey	1	4	4	.....	.....	6	.....	3	.....	3	.....	3	.....	2	.....	.....	.....	.....	.....	21	4
Mosquito Pond	4	8	2	5	.....	6	.....	.....	.....	4	.....	.....	.....	4	.....	2	.....	.....	.....	29	2
Stark	1	7	3	.....	..	2	2	5	.....	.....	.....	4	.....	.....	.....	.....	.....	1	.....	19	5
Webster's Mills	.....	.....	.....	1	.....	3	.....	.....	.....	2	.....	.....	.....	2	.....	.....	.....	.....	.....	8	....
Totals	568	1075	372	609	34	595	21	551	17	519	22	481	22	412	23	226	8	281	2	4749	521
Percentage		.....	35—	.....	5.5	.....	3.5	.....	3—	.....	4+	.....	4.5	.....	5	.....	3.5	.....	.7	...	11—

* Special Classes, Merrimack-street.. 40
" " Rimmon 35
" " Spring-street..... 62
137
} Not included above.

TABLE V—

Schools	No. of beginners January, 1910	1st year	Not promoted	2d year	Not promoted	3d year	Not promoted	4th year
Amoskeag	6	30	11	22	2	14	1	10
Ash-street	4	23	2	31	1	26	.....	12
Bakersville	6	35	8	40	8	34	3	29
Chandler	7	84	19	37	2	29	.....	40
Franklin-street	8	31	9	29	2	23	2	23
Goffe's Falls	2	11	2	7	.....	5	1	8
Hallsville	9	67	26	60	4	52	.....	40
Highland	7	12	6	4	.....	.....	..	18
Lincoln-street	7	44	11	27	4	14	.....	34
Main-street	12	59	1	52	3	79	8	45
Merrimack-street*	14	94	42	26	.....	25	.....	22
Parker	5	60	6	43	1	39	3	27
Pearl-street	8	33	5	31	1	22	.....	25
Rimmon *	9	44	16	21	1	28	1	22
Spring-street *	7	67	16	13	.....	24	.....	28
Straw	9	36	8	30	.....	24	3	32
Varney	10	51	31	38	6	36	.....	23
Webster-street	11	33	14	29	.....	32	2	26
Wilson	10	46	5	38	2	38	1	48
Youngsville	3	19	.....	11	2	11	..	.....
Harvey	1	4	1	.....	.....	.....	.....	9
Mosquito Pond	0	7	.....	7	.....	.....	.....	7
Stark	0	1	1	8	.....	1	1	5
Webster's Mills	0	.....	.....	1	.....	3	.....	.....
Total	155	891	240	605	39	559	26	533
Percentage		.....	27+	.....	6+	.....	5—	.....

* Special Classes, Merrimack-street.. 26
" " Rimmon ... 19
" " Spring-street..... 61
106 } Not included above.

June, 1910, promotion.

Not promoted	5th year	Not promoted	6th year	Not promoted	7th year	Not promoted	8th year	Not promoted	9th year	Not promoted	Total, half year	Total failures	Year: Doubly promoted	Year: Failed twice
2	7	1	20	2	6	1	4	.....	9	.....	122	20	6	7
3	31	5	39	7	62	2	54	1	44	.....	322	21	18	....
1	25	.....	25	.....	13	.....	22	.....	10	.....	233	20	.....	5
.....	36	.....	37	13	15	1	.....	.....	.....	.....	278	35	49	8
3	28	.....	34	3	25	3	18	.....	19	.....	230	22	22	2
.....	6	.....	5	.....	10	.....	9	.....	6	.....	67	3	.....	....
1	53	5	31	2	44	3	20	.....	42	.....	409	41	28	6
.....	12	.....	6	.....	7	.....	6	.....	2	.....	67	6	14	...
1	42	2	42	1	43	2	30	1	42	.....	318	22	13	7
6	30	.....	30	.....	15	.....	.....	.....	.....	.....	310	18	2	14
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	167	42	8	8
.....	32	5	41	5	19	1	8	.....	6	....	275	21	9	11
.....	21	1	.....	.....	.....	.....	.....	.....	.....	.....	132	7	2	...
3	31	7	18	1	17	.....	10	.....	10	2	201	31	10	12
1	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	155	17	3	1
2	43	3	28	.....	28	2	29	1	.....	.....	250	19	.....	1
8	24	.....	35	3	31	3	39	9	51	1	328	61	103	9
1	23	4	23	.....	30	.....	27	.....	49	2	272	23	26	....
3	33	1	36	3	33	3	30	.....	30	.....	332	18	22	1
.....	16	.....	1	.....	2	.....	2	.....	.....	.....	62	2	11	1
1	3	.....	3	.....	.....	.....	2	.....	.....	.....	21	2	1	....
.....	4	.....	.....	.....	3	.....	2	.....	.....	.....	30	.....	.....	...
.....	.....	.....	3	.....	.....	.....	.....	.....	1	.....	19	2	.....	....
.....	1	.....	1	....	2	.....	.....	.....	.....	.....	8	.....	.....	....
36	524	34	458	40	405	21	312	12	321	5	4608	453	347	93
7—	.....	6+	.....	9—	.....	5.0	.....	4—	.....	1 5	.....	9.8+	.....	....

The percentage of failures for the first half year is shown to be 11 for all grades. For the same period one year ago the percentage was 15½.

As was the case last year much the largest number of failures, over 70 percent of the total, occurred in the first year. The remaining percentages are all lower than for the same period one year ago with the exception of that of the eighth year, which has increased by one half of one percent. The percentage of failures for the second half year was 9.8, exactly the same as for the corresponding period of the preceding year. Over 70 percent of these also occurred in the first grade. The data given by these tables have not been collected over a long enough period of time to determine in what year other than the first pupils are peculiarly liable to drop behind. The general impression prevailed that this occurred about the fifth year. The data so far secured by this city do not bear out this belief.

Out of a possible 9,357 promotions during the year there were 974 failures, the percentage being 10.4, which is 2.4 lower than for 1909. For the year, 89.6 percent of the pupils advanced regularly in their work. Of the number of pupils failing, 93, as shown by Table No. 5, failed twice, i. e., they were in June just where they started in September.

While 93 failed twice, others gained a half year and the total number so gaining by irregular promotions was 347. The cost per elementary school pupil for the last year was $24.29. The money cost of these failures may be estimated at 974 times one half of $24.29, or $11,829. Obviously the city could not have saved this amount had there been no retardation. It could have saved, however, in increased efficiency and room in the lower grades, had these pupils not been compelled to repeat. The money value of the 347 double promotions may be estimated in the same way and it will be found to be $4,214.

In dealing with these figures in regard to numbers in the grades and to promotions one is confronted with some discrepancies. For instance, the number of pupils as shown by the promotion lists for January, 1910, was 4,749, the number in the high school was 600, and 137 were in special classes. These numbers total 5,486. The average membership of the schools for the month of January, reports being made up on the day of promotion, was 5,516. There is a discrepancy of 30 between these two sets of numbers. The question naturally arises, what became of these 30 pupils? Does this number represent those leaving school to seek employment? No data are available to answer the question with certainty.

Again the promotion list, high school membership and special classes of pupils in June numbered 5,280. The number of pupils in school at the beginning of June was 5,507. There is a difference of 227 between these sets of figures. What became of the 227? The

question cannot be answered with certainty. It is plausible to think that some withdrew before the close of school to spend the summer in the country, and that others withdrew to seek employment. The fact that 97 employment certificates were granted in June may have some bearing upon this question, although the certificates were given to pupils from both public and parochial schools.

These discrepancies together with the fact that we have no way to account for the differences in membership in the schools in successive months (for instance, October membership 5,581, November membership 5,564, loss 17), indicate the necessity for a more careful registration and a following up of every pupil.

The reasons assigned for the failures in the different grades for the first half year are given below as returned by principals and teachers.

TABLE VI.—JANUARY PROMOTION.

Reasons for Nonpromotion.	1st year.	2d year.	3d year.	4th year.	5th year.	6th year.	7th year.	8th year.	9th year.	
Absence and illness	114	8	3	4	11	11	5	.	.	156
Immaturity, slow development	89	..	6	..	..	1	..	.	.	96
Speaking a foreign tongue	44	..	1	3	2	..	..	.	.	50
Slow mental processes	32	12	2	2	3	1	8	.	2	62
Short time in school	24	..	..	..	..	..	..	.	.	24
Abnormal, deficient	14	4	..	4	1	2	4	.	.	29
Lack of application, lazy, inattentive, indifferent	18	3	5	3	3	5	5	4	.	46
Poorly nourished	5	..	..	..	1	..	..	.	.	6
From outside schools poorly graded	..	2	..	..	..	2	1	4	.	9
Deficient in one or more studies	..	3	4	1	..	..	..	.	.	8
Paralysis, deafness, etc	2	2	..	..	..	..	..	.	.	4
Required three weeks more time	11	..	..	..	1	..	..	.	.	12
Unaccounted for	19	..	..	..	..	..	..	.	.	19
Totals	372	34	21	17	22	22	23	8	2	521

The reasons for the nonpromotion of the 521 pupils were absence and illness, 156; immaturity and slow development, 96; speaking a foreign tongue, 50; slow mental processes, meaning dull, 62; short time in school, 24; abnormal, deficient mentally, 29; lack of applica-

tion, lazy, inattentive, indifferent, 46; poorly nourished, 6; from outside schools, poor grading, 9; deficiency in one or more studies and very good in none, 8; bodily infirmities, paralysis, deafness, weak eyes, 4; and 12 were promoted a short time after the regular promotion date, they having completed the half year's work in that time. Nineteen in the first year are unaccounted for.

The failures because of absence, illness, immaturity and slow development, 252, are practically one half the total number. Every year one, or more, of the primary schools is swept by measles, mumps, whooping cough, chickenpox or diphtheria. Colds are common afflictions. It is obvious that pupils so afflicted as well as those that are immature must have a longer period to do one grade of work.

The school is not responsible for failures of this class except so far as schoolroom conditions are unhealthful, and foul air and drafts from windows contribute to produce the illness. To what degree the school is responsible I am unable to state, undoubtedly to some extent. The remedy will lie in the application of the proper principles of hygiene and the providing of teachers to give extra time and individual attention to these pupils.

The fact that so large a number, 89 and 32, in the first year are reported as being immature, slow of development and slow in mental processes is a strong argument for raising the age of admission to the primary schools to six years.

Children of primary school age who do not speak the English language are generally retarded in progress during the first part of their school life only.

The 108 reported as failing because of slow mental processes, lack of application, laziness, inattention and indifference probably represent the failure of the schools to properly diagnose the separate cases. No healthy child is naturally lazy. The right incentive to action can be found in every case, and in very few will this be found to be the appeal to authority.

The above cases, as well as those of the 29 reported as abnormal, and of the 4 reported as having physical defects are proper subjects for the medical inspectors.

The 9 entering from outside schools and not graded properly may represent failures on the part of the school provided they entered at or near the beginning of the semester. If they entered near the end of the same, no blame can attach to the school because no opportunity had been given to classify them properly. Pupils from country schools when entering the city schools are found to be ahead of a certain grade in one study and behind it in another. An opportunity is always given to make up deficiencies so that a pupil may be graded as high as possible. Five are reported as poorly nourished. Whether this is due to the poverty of the homes or to physical defects, it is

clearly the duty of the school authorities to find a remedy, in the one case through the exercise of a wise charity, in the other through its medical inspection. It would appear that this educational waste may be reduced to a minimum by more individual work by specially hired teachers, by a closer study of each pupil on the part of the teacher with the coöperation of the medical inspectors.

A summary of reasons for the failures during the second half year is given. The same general tendency is to be noted among these as among the former.

TABLE VII.—JUNE PROMOTION.

Reasons for Nonpromotion.	1st year.	2d year.	3d year.	4th year.	5th year.	6th year.	7th year.	8th year.	9th year.	
Absence and illness	63	6	13	16	8	8	5	5	.	124
Immature, slow of development	103	8	3	2	..	..	1	..	.	117
Speaking a foreign tongue	23	..	3	..	1	1	1	..	.	29
Slow mental processes	8	13	2	5	8	11	3	2	4	56
Abnormal, deficient	5	4	2	6	2	3	3	..	.	25
Lack of application, lazy, inattentive, indifferent	12	2	1	5	14	10	6	3	1	54
Poorly nourished	1	..	..	..	..	..	..	..	.	1
From outside schools poorly graded	1	1	..	..	..	4	..	2	.	8
Deficient in one or more studies	2	1	1	..	..	..	..	..	.	4
Paralysis, deafness, etc., physical disability	1	4	1	1	1	3	..	..	.	11
Cigarettes, use of	..	..	..	..	..	..	2	..	.	2
Late in entering and crowded school	7	..	..	..	..	..	..	..	.	7
Unaccounted for	14	..	..	1	..	..	..	..	.	15
Totals	240	39	26	36	34	40	21	12	5	453

I recommend that three experienced teachers be elected to do individual work with backward pupils, with those absent through illness or for other cause and needing assistance, and with those able to do more work than the school provides.

I recommend that a system of registration be adopted whereby every pupil in the public schools may be accounted for and whereby a complete record of the pupil's progress through the schools, his

physical condition, the date of his birth, residence, etc., may be known at any time. The adoption of this will place upon each teacher a certain amount of clerical work, viz., the making out of a card for every pupil under her instruction; it will place upon the principal the burden of keeping the record for the building and upon this office the keeping of a duplicate record for the city. In caring for such a system and the records of the truant officer there is ample work for one individual.

There is given below a record of the progress of pupils through the high school by classes and by subjects.

TABLE VIII.—MOVEMENT OF PUPILS THROUGH HIGH SCHOOL.

Subjects.	Number passed.	Number failed.	Percent failed.	Average for state
English, I	111	..	..	..
" II	124	9	7	7
" III	120	17	12	6
" IV	178	9	5	2
Latin, I	105	45	43	19
" II	53	17	32	10
" III	47	4	8	4
" IV	26	3	10	2
Greek, I	10	1	10	6
" II	16	..	..	..
" III	10	..	..	3
French, I	116	28	25	13
" II	73	8	11	6
" III	32	1	3	0.6
German, I	40	4	10	9
" II	10	..	..	3
" III	7	..	..	4
Algebra, I	196	30	15	18
" II	123	4	3	10
" III	37	..	..	3
Geometry, I	170	39	20	17
" II	138	8	5	9
" Rev. III	37	..	..	3
" Solid	24	..	..	5
Trigonometry	24	..	..	2
Advanced and Commercial Arithmetic	121	6	5	14
Physics	105	38	36	11
Chemistry	47	3	6	5
Botany	34	5	15	10
Zoology	28	4	14	7
Astronomy	14	..	..	3
Ancient History	39	6	15	60
English History	43	2	4	4
Mediaeval and Modern History	22	1	4	6
United States History	110	10	9	3
Bookkeeping, I	172	7	4	8
" II	31	..	..	6
Commercial Industrial History	31	1	3	2
Commercial Geography	18	1	5	8
Stenography, I	158	3	2	5
" II	52	..	..	2
" III	210	..	..	3

It will be seen by this that out of 3,367 opportunities for failure there occurred 314, which is 9.3 percent. This is practically 1 percent lower than for the elementary grades. Mathematics, Latin, Physics, French and English were the subjects in which most deficiencies occurred, they accounting for more than 80 percent of the whole. The remedy lies in individual work with the pupils.

INDUSTRIAL TRAINING.

The report of this body for 1909 set forth the need of and some reasons for the establishment of industrial training in connection with the public schools. I print herewith a page from the report of the Commissioner of Education, descriptive of the coöperative course introduced in the public schools of Fitchburg, Mass.:

"In this case a coöperative industrial course has been introduced in a public high school. The course is of four years' duration, but the first year is devoted wholly to literary studies. At the beginning of the second year any boy may with the consent of his parents elect the coöperative course. At the Fitchburg school the classroom instruction and the work in a factory alternate with each other, a week at a time being devoted to each. A two months' trial period begins on the first of July preceding the beginning of the course of study in the school. For the session of 1908-09 twenty boys were enrolled.

"The scale of wages paid the apprentice for shop work in each period of about one thousand six hundred fifty hours is as follows: For the first period, ten cents per hour; for the second period, eleven cents; for the third period, twelve and one half cents. No tuition fee is charged the student in school.

"Of the success of this plan thus far Superintendent Joseph G. Edgerly writes: 'The manufacturers have expressed great satisfaction with the plan, some of them having expressed the opinion at this early date that these boys are superior to those formerly employed. They are boys who have their eyes and ears open, who think and ask questions of an intelligent nature. . . . With the course mapped out it is expected that a thinking, progressive mechanic will be secured, one who will be able to reason things out for himself, and thereby derive for himself the greatest advantage that can be attained in his life work.'

"The plan is carried out without any expense to the city of Fitchburg. No special buildings or equipment are required, such as would be necessary in the case of a regular trade school. The boys work in real shops under actual business conditions, and the pay they get enables many to learn a trade and at the same time continue their education up through the high school."

I give this extract because it indicates a way in which industrial training may be secured in our own city.

I know that the plan can be put into operation in connection with the two greatest industries of the city, and I believe it possible to make arrangements for its trial by others. I recommend that a special committee be appointed to confer with manufacturers to the end that a plan of coöperative education between the industries of the city and its public schools may be devised and put into operation.

CONCLUSION.

A survey of the educational field reveals the existence of two important trends in education. One may be denominated humanitarian, the other industrial. The humanitarian is indicated by the various movements inaugurated to detect and remedy physical defects, to provide an hygienic environment and produce as a basis for education a healthy, normally functioning child. A phase of this last work is especially worthy of your consideration. I refer to open air schools. Providence, Boston, New York, Chicago, Hartford, Fitchburg and Rochester have established such. These schools require no expensive equipment. The two requisites are good food and sufficient clothing.

The industrial phase has been recommended to your consideration.

HONORABLE MENTION.

With the close of the present year the city loses the services of one of its schoolboard members who has ably and efficiently represented his district for a period of ten years. Mr. Walter B. Mitchell was elected to the schoolboard from Ward 8 in November, 1900, and was sworn into office in January following.

Mr. Mitchell has been chairman of the standing committee upon fuel and of the subcommittees upon the Varney and Main-street schools; he has also served as a member of the following committees: repairs, examination of teachers, health, text-books, kindergartens, Straw school, Bakersville and Mosquito pond schools, Parker school, Webster-street and Stark schools, Goffe's Falls and Highland schools, and the high school.

The educational interests of the city have ever been zealously promoted by Mr. Mitchell, and he has given freely of his time and thought for the educational uplift of the municipality.

Respectfully submitted,

CHARLES W. BICKFORD,

Superintendent.

APPENDIX.

I. Population, Etc.
II. Schoolhouses.
III. Schools.
IV. Teachers.
V. Attendance Tables.
VI. Truancy.
VII. Finance.
VIII. Appropriations for Eleven Years.
IX. Expenditures for Eleven Years.
X. School Year, 1909-10.
XI. High School Graduates.
XII. Winners of Clarke Prizes.
XIII. Organization of Committees, 1911.
XIV. List of Teachers, 1911.
XV. School Year, 1910-11.

APPENDIX.

STATISTICS.

I. Population.

Population of the city by last census, 1910	70,063

Legal school age, 5 to 21.

II. Schoolhouses.

Number of schoolhouses in use	26
Number of schoolhouses not in use	0
Number of schoolrooms used for day schools	154
Number of rooms used for high school classes	20
Number of rooms used for grammar schools	42
Number of rooms used for middle schools	28
Number of rooms used for primary schools	53
Number of rooms used for ungraded schools	4
Number of rooms used for Manual Training school	3
Number of rooms used for kindergartens	4

III. Schools.

(All for both sexes.)

Number of high school buildings	1
Number of combined grammar and lower grade (middle and primary) schools	16
Number of combined middle and primary schools	3
Number of ungraded schools	5
Number of manual training schools (for boys)	1

IV. Teachers.

Male teachers in the High school	8
Female teachers in the High school	11
Male teachers in the grammar schools	7
Female teachers in the grammar schools	*44
Female teachers in the middle schools	28
Female teachers in the primary schools	56
Female teachers in the ungraded schools	4
Female teachers in the kindergarten	8
Male teachers in the Manual Training school	3
Special teachers	4
Average number of male teachers	21
Average number of female teachers	153
Total average number of teachers in day schools	174
Male teachers in the evening schools	12
Female teachers in the evening schools	14
Male teachers in the evening drawing schools	2

*Seven of the 44 masters' assistants.

V.—TABLE SHOWING THE ATTENDANCE UPON THE VARIOUS DAY SCHOOLS FOR THE YEAR 1909–1910.

SCHOOLS.	Whole number belonging.*		Average membership.	Average daily attendance.	Percent of daily attendance.	TEACHERS.
	Boys.	Girls.				
High School	283	342	589	564	95.6	George H. Libby, Master. G. I. Hopkins, Submaster. Harry N. McLaren. Charles F. Bates. Norris D. Blake, 2 terms. Allan E. Herrick. Fred H. Hodgson. Arthur O. Friel. Mary J. Wellington. Annie W. Colby, 1 term. Mary H. Dowd. Elsie D. Fairbanks. Annie M. Vose. Edith M. Pierce. Helen I. Buck. Bertha A. Blanchet. Cora J. Russell. Edna C. Cullis. Bessie L. Adams. Bertha V. Healey. Anne G. Towle, 2 terms. } Assistants.
GRAMMAR SCHOOLS.						
Amoskeag, Mixed Grammar	17	22	34	33	97.4	Blanche L. Bachelder, Principal.
Ash-street, First Division	15	29	43	41	94.2	Edgar D. Cass, Master. Amelia L. Graupner.
" Second "	18	22	36	33	90.1	Emma L. McLaren. Belle R. Daniels. Emma J. Cooper. Marjorie S. Woodbury } Assistants.
" Second and Third Divisions	24	25	44	41	94 8	
" Third Division.	24	19	41	39	94.0	
" Fourth "	20	13	38	33	86.6	
Ash-street Totals	101	108	202	187	92.0	

Bakersville, First and Second Divisions	23	24	41	39	95.6	Lizzie A. Burns, Principal. Lelia A. Brooks.
" Third and Fourth "	22	21	28	27	91.8	Jennie F. McGrath, Assistant.
Bakersville Totals	45	45	69	66	94.6	
Chandler, Fourth division	26	16	37	35	93.9	Hellen Morison, Principal.
Franklin-street, First Division	12	10	22	21	93.3	Isaac Huse, Master. Caroline E. Head.
" Second "	10	11	21	19	92.0	Lillian Whitney.
" Third "	14	20	30	26	88.1	Daisy Flanders. } Assistants.
" Fourth "	21	27	37	33	88.5	Josephine E. Page.
Franklin-street Totals	57	68	110	99	90.0	
Goffe's Falls, Mixed Grammar	15	14	26	25	95.9	Alice C. Taggart, Principal. Gertrude Pyne, Assistant in A. M., 2 terms. Elizabeth McKelvie, 1 term.
Hallsville, First Division	22	28	43	41	94.6	William H. Huse, Master. Millicent S. Morse
" Second and Third Divisions	18	26	41	38	93.1	Olive A. Rowe. } Assistants.
" Third and Fourth "	21	23	42	39	92.8	Mary L. Mooar.
Hallsville Totals	61	77	126	118	93.6	
Highland, Mixed Grammar	13	14	21	20	93.7	Annabel D. Wyman, Principal. Gertrude Pyne, Assistant in P. M., 2 terms. Elizabeth McKelvie, 1 term.
Lincoln-street, First Division	23	21	43	40	93.0	A. H. M. Curtis, Master. Elizabeth Robertson.
" Second "	26	19	35	33	93.4	M. Emma Roberts.
" Third "	23	28	45	41	90.9	Lillian F. Crowther. } Assistants.
" Fourth "	26	28	45	41	91.9	Lois D. Beck.
Lincoln-street Totals	98	96	168	155	92.2	
Main-street, Fourth Division	11	20	28	26	94.5	Mary W. Mitchell, Principal.
Parker, Second and Third Divisions	13	12	23	22	98.1	Mary E. Moulton, Principal.
" Fourth Division	18	17	31	30	97.3	Mary L. Ayer.
Parker Totals	31	29	54	52	96.3	

ATTENDANCE UPON THE VARIOUS DAY SCHOOLS.—*Continued.*

SCHOOLS.	Whole number belonging.*		Average membership.	Average daily attendance.	Percent of daily attendance.	TEACHERS.
	Boys.	Girls.				
Rimmon, First and Second Divisions	4	10	19	18	93.9	Harrison N. Bowen, Master.
" Third and Fourth "	18	18	30	27	91.8	Blanche E. Hicken, Assistant.
Rimmon Totals	22	28	49	45	91.8	
Straw, Second Division	17	13	29	28	97.5	Alta C. Willand, Principal.
" Third "	13	19	29	28	96.5	Ada B. Morse. } Assistants.
" Fourth "	18	16	30	28	94.3	Gertrude H. Brooks. } Assistants.
Straw Totals	48	48	88	84	95.4	
Varney, First Division	31	30	51	50	97.6	George Winch, Master. Jennie V. Williamson.
" Second "	22	29	45	43	94.8	E. Maria Dickey. } Assistants.
" Third "	24	17	36	34	95.9	Ellen E. McKean. } Assistants.
" Fourth "	24	17	36	35	96.1	Gertrude Adams. } Assistants.
Varney Totals	101	93	168	162	96.4	
Webster-street, First Division	22	35	50	46	92.2	John Gault, Master. A. Maude Lamprey.
" Second "	17	14	27	25	93.9	Nettie S. Baker, 2 terms. Mabel J. Brickett, substitute 1 term. } Assistants.
" Third "	16	15	31	29	94.7	Jennie Russell. } Assistants.
" Fourth "	10	16	24	23	95.5	Eva F. Tuson. } Assistants.
Webster-street Totals	65	80	132	123	93.2	
Wilson, First and Second Divisions	23	26	44	42	95.9	Barbara B. Joy, Principal. Mary E. McLaren.
" Third Division	24	19	35	33	95.7	Helen Haskell. } Assistants.
" Fourth "	25	18	41	39	94.7	Harriet H. Richardson. } Assistants.
Wilson Totals	72	63	120	114	95.0	
Youngsville, Mixed Grammar	12	11	24	19	79.1	Mary E. Stevens, Principal.
Grammar Schools Totals	795	832	1,456	1,363	93.6	

MIDDLE SCHOOLS						
Amoskeag, Mixed	11	15	25	23	93.1	Edna L. Merrill.
Ash-street, Mixed	24	25	38	36	94.2	Alice E. Good.
Bakersville, Higher	23	20	36	34	94.2	Mary L. Heath.
" Lower	25	27	46	42	90.5	Augusta S. Downs.
Chandler, Higher	17	25	36	35	96.1	Hattie S. Tuttle.
" Lower	25	17	38	35	93.1	Ede B. Shand.
Franklin-street, Higher	21	30	37	33	92.7	Mary T. Morrow.
" Lower	21	22	38	33	86 4	Josephine L. Riddle.
Goffe's Falls, Mixed	14	13	18	16	91.1	Edith A. Murphy.
Hallsville, Higher	24	26	46	41	89.5	Mae L. Lovejoy.
" Lower	26	24	47	40	86.1	Ina E. Tuttle.
Lincoln-street, Higher	25	27	45	41	90.3	J. Elizabeth Cate.
" Lower	24	22	41	37	89.9	Katharine A. Frain.
Main-street, Higher	20	25	39	36	92.3	Hattie O. Willand.
" Lower	23	25	44	41	94.3	M. Minnie Sturtevant.
Merrimack-street, Lower	22	27	39	34	85.6	Nellie F. Dunnington.
Parker, Higher	19	17	35	34	96.2	Blanche M. Folsom.
" Lower	19	26	41	39	95.3	Gertrude Mitchell.
Pearl-street, Mixed	15	15	31	29	94.9	Mary G. Tynan.
Rimmon, Higher	26	17	44	39	88.5	Mary E. Bulman.
" Special Class	50	25	42	37	87.7	M. Eunice Willand.
Spring-street, Mixed	23	22	38	37	96.5	Annabel Emerson. Anna O'Donoghue, substitute.
Straw, Higher	27	21	44	41	95.7	Laura M. Gould.
" Lower	23	21	35	32	92.9	Ida Crowther.
Varney, Mixed	17	18	33	31	94.5	Mary J. Walsh.
Webster-street, Mixed	16	16	31	30	95.9	Jean Gillan.
Wilson, Higher	15	25	33	32	95.3	Florence Richardson.
" Lower	22	30	42	38	90.9	Elizabeth H. Callaghan.
MIDDLE SCHOOLS TOTALS	617	623	1062	976	91.9	

ATTENDANCE UPON THE VARIOUS DAY SCHOOLS—*Continued.*

SCHOOLS.	Whole number belonging.*		Average membership.	Average daily attendance.	Percent of daily attendance.	TEACHERS.
	Boys.	Girls.				
PRIMARY SCHOOLS.						
Amoskeag, Higher	15	19	35	33	92.8	Bertha H. Marden
" Lower	16	29	30	27	91.5	May L. Woodcock.
Ash-street, Higher	22	28	42	39	91.0	May F. Nutt.
" Lower	24	27	41	36	87.5	Hulda C. Graupner.
Bakersville, Higher	32	29	43	43	92.2	Bessie J. Bartlett.
" Lower	30	22	44	39	88.9	Kathryn D. McKeon.
Chandler, Mixed, Middle and Primary	16	22	37	35	95.2	Amy K. Northrup.
" Mixed	16	18	37	35	94.6	Delia B. Clark.
" Lower	27	18	43	40	93.2	Jennie R. McLaughlin.
" Lower	33	22	41	37	89.2	Helen N. Bly.
Franklin-street, Higher	22	19	38	33	87.3	Grace M. Whittemore.
" Lower	32	20	39	34	85.8	Ida L. Montgomery.
Goffe's Falls, Mixed	12	16	22	20	88.3	Lauretta B. Sawtelle.
Hallsville, Mixed, Middle and Primary	27	21	42	37	87.1	Bertha L. Kemp.
" Higher	20	18	40	34	84.8	Martha J. Kennedy.
" Mixed	24	17	38	33	86.4	Vivian Mathews.
" Lower	23	16	36	30	82.5	Alice B. Morrill.
" Lower	29	30	39	31	79.2	Annie R. Corson.
Highland, Mixed	24	22	39	36	92.1	Mary E. Walker.
Lincoln-street, Higher	19	25	37	35	94.1	Theodora Richardson.
" Lower	27	32	41	38	90.8	Nettie S. Rennie.
Main-street, Mixed, Middle and Primary	28	25	43	40	92.2	Elizabeth F. Walsh.
" Higher	20	24	39	37	93.4	Kate T. Clarke.
" Higher	20	24	45	42	93.1	Mary H. O'Dowd,
" Lower	26	14	43	40	91.6	Myrtle B. Slager.
" Lower	20	35	41	39	95.2	Clara V. Clement.
Merrimack-street, Special Class	29	7	29	24	83.7	Florence Prescott, substitute.
" Mixed	33	20	37	33	88.9	Ella M. Chapman.
" Lower	65	38	43	40	92.9	Mary A. Brennan.
" Lower	38	29	45	35	78.9	Clydie M. Flanders.
Parker, Higher	18	25	44	42	96.3	Eda M. Barr.

Parker, Mixed	21	27	45	43	94.9	Grace M. Brown.
" Lower	35	32	46	43	93 6	Maude E. Winegar.
Pearl-street, Mixed, Middle and Primary	20	15	34	32	95.0	Nellie M. Smith.
" Higher	19	13	31	28	91.7	Florence Abbott.
" Lower	31	27	38	35	90.9	Alice E. Walsh.
Rimmon, Higher	57	40	40	37	91.9	Mary S. White.
" Lower	38	35	51	44	86.3	Rebecca Grant, 2 terms. Sarah Hodgman, 1 term.
Spring-street, Higher	36	18	42	41	97.7	Helen F. Lyons.
" Special Class	6	2	32	29	90.0	Hattie Read, 2 terms, substitute.
" Special Class	23	15	43	31	88.4	Florence Desrocher, 2 terms, substitute. Rena Knee, 1 term, substitute.
" Lower	21	13	37	34	92 3	Lulu Kean.
" Lower	38	29	45	41	91.1	Sarah B. Dunbar.
Straw, Higher	22	25	45	43	95.5	Florence H. Moore.
" Lower	39	20	42	40	93.2	Edith M. Stebbins.
Varney, Higher	14	23	40	37	92.0	Jennie M. Landers.
" Mixed	27	16	45	41	92.1	Laurette McKendree
" Lower	32	24	39	35	91.0	Annie E. Walsh.
Webster-street, Mixed, Middle and Primary	17	17	37	35	95.7	Marcia Moore.
" Mixed	16	23	36	33	91.2	Agnes M. Woodbury.
" Lower	23	35	40	35	87.0	Sarah M. McKelvie.
Wilson, Mixed, Middle and Primary	30	23	46	42	91.0	Bertha V. Franks.
" Higher	.....	.....	17	16	92.9	Cora Webb Cummings, substitute 2 terms.
" Mixed	27	32	41	37	89.9	Florence L. Abbott.
" Lower	33	42	46	41	89.4	Blanche L. Bryant.
Youngsville, Mixed	21	21	37	31	81.7	Blanche L. Corning.
Primary Schools Totals	1,433	1,278	2,211	2,001	90.5	

KINDERGARTENS

Chandler	36	19	39	34	86.3	Mabel B. Currier. Eugenia Morey.
Parker	29	35	37	33	86.6	Marion Ryan. Maude Avery.
Spring-street	26	34	38	35	93.8	Grace M. Carr. Ethel Church.
Straw	23	28	32	27	85.9	Jennette M. Bartlett. Marion C. Clough.
Kindergartens Totals	114	116	146	129	88.4	

ATTENDANCE UPON THE VARIOUS DAY SCHOOLS—*Concluded.*

SCHOOLS.	Whole number belonging.*		Average membership.	Average daily attendance.	Per cent of daily attendance.	TEACHERS.
	Boys.	Girls.				
UNGRADED SCHOOLS.						
Harvey District	17	11	23	20	86.2	Emma J. Ela.
Mosquito Pond	15	15	29	24	84.2	Marion F. Partridge.
Stark District	16	3	17	16	92.0	Mildred Morey.
Webster's Mills	7	4	8	7	86.9	Ethel Bartlett.
Ungraded Schools Totals	55	33	77	67	87.0	
Aggregate Totals for 1910	3297	3224	5541	5100	90.2	
Aggregate Totals for 1909	3222	3169	5337	4936	92.5	

* Exclusive of duplicate enrollment, no account being made of pupils received by promotion or transfer from other of the city schools.

DAY SCHOOLS.

Summary of attendance upon the several grades of public day schools for the year 1909-1910.

GRADES.	Whole number of different pupils.		Average membership.	Average daily attendance	Percent of daily attendance.
	Boys.	Girls.			
High	283	342	589	564	95.6
Grammar	795	832	1,456	1,363	93.6
Middle	617	623	1,062	976	91.9
Primary	1,433	1,278	2,211	2,001	90.5
Ungraded	55	33	77	67	87.0
Kindergarten	114	116	146	129	88.4
Totals, 1910	3,297	3,224	5,541	5,100	90.2
Totals, 1909	3,222	3,169	5,337	4,936	92.5

EVENING SCHOOLS.

Summary of attendance upon the several grades of public evening schools for the year 1909-1910.

SCHOOLS.	Whole number of different pupils.		Average membership.	Average daily attendance.	Percent of daily attendance.
	Boys.	Girls.			
Spring-street	323	.....	235	203	86.4
Franklin-street	.....	97	88	83	94.5
Rimmon	89	37	113	97	85.8
Drawing schools { Mechanical.. / Architectural }	53	.....	36	30	85.0
Totals, 1910	465	134	472	413	87.5
Totals, 1909	449	100	373	308	82.6

Evening School Teachers.

John J. McAllister, principal of Spring-street school, for boys.

Assistants.—A. D. Benton, A. B. Blaine, Joseph Doyle, Arthur Morrill, L. A. O'Connor, Arthur J. Tonery, Cora W. Cummings, Elizabeth Doherty, Kittie McDonald, Ethel McNeil, Minnie Sullivan, Mary DeForest Young.

Honorie J. Crough, principal of Franklin-street school, for girls.

Assistants.—Margaret G. Linen, Carlena A. Savory, Susan G. Woodman, Genevieve B. Wilson, Frances Landers.

Carroll S. King, principal of Rimmon school, for both sexes.

Assistants.—Frank Kearns, Edwin M. Rogers, Edward C. O'Brien, Thomas F. McCabe, Myra V. Moore, Adelia S. Murphy.

Evening Drawing School Teachers.

John M. Kendall and Henry W. Allen.

GENERAL SUMMARY.

The following table presents the main features of interest pertaining to the attendance upon the public schools for the last eleven years; a similar table may be found in the report for 1896.

Years.	Average number of schools.	Average number of teachers employed.*	Enrolled in public day schools.	Average membership.	Average daily attendance.	Percentage of daily attendance.	Average attendance evening schools.	Graduated from grammar schools.†	Passed grammar schools for high school.†	Entered high school.‡	Graduated from high school.	Average number belonging to high school.
1900	126	135	5,462	4,388	3,998	91.8	179	225	214	152	72	380
1901	127	137	5,808	4,552	4,127	90 5	191	189	179	137	69	379
1902	129	142	6,123	4,876	4,480	91.9	250	221	211	159	62	390
1903	130	146	6,013	4,774	4,338	90.8	196	203	183	137	65	405
1904	133	149	5,920	4,889	4,483	91.7	197	237	214	169	80	401
1905	133	150	5,841	4,817	4,412	91.6	252	247	226	168	63	423
1906	135	152	5,703	4,907	4,531	92.3	246	261	220	161	78	455
1907	139	158	5,974	4,995	4,589	91.9	305	255	226	180	78	483
1908	141	162	5,944	5,163	4,795	92.9	315	255	236	173	103	529
1909	146	166	6,391	5,337	4,936	92.5	308	286	264	198	107	544
1910	154	174	6,521	5,541	5,100	90.2	413	280	247	220	107	589

* Including special teachers, principals, assistants, etc.

† And the A class in suburban schools.

‡ From grammar schools, parochial schools, and surrounding towns. (174 from grammar schools.)

VI. Work of Truant Officer.

Date.	Absentees reported.	No. voluntarily returned.	No. reported caused to attend.	No. moved out of city.	No. found sick and unable to attend.	No. otherwise unavoidably detained.	No. not found.
1909.							
September	74	35	15	4	11	9	.....
October	102	23	66	3	3	6	1
November	103	20	47	7	10	19	.....
December	57	16	15	5	4	17	.....
1910.							
January	126	30	60	6	16	14	.....
February	83	20	34	1	11	17	.....
March	108	19	32	1	22	33	1
April	87	11	35	7	12	21	1
May	91	21	40	3	9	17	1
June	83	41	10	5	6	20	1
Totals	914	236	354	42	104	173	5

VI. Work of Truant Officer.—*Concluded.*

Date.	Truants not enrolled found on streets.	No. of school age found on streets in school hours.	No. of parents visited.	No. temporarily confined at the police station.	No. brought before the court.	Sentenced.
1909.						
September	20	67	53	2	.....	.....
October	12	217	165	3	1	1
November	14	111	147	7	1	.....
December	3	49	63	.....	.....	.....
1910.						
January	14	64	117	6	.....	.....
February	6	59	97	.....	.....	.....
March	7	137	109	6	1	2
April	9	143	111	4	.....	.....
May	4	71	115	6	1	1
June	2	43	93	3	.....	.....
Totals	91	961	1,070	37	4	4

VII. Finances, 1910.

Items of Account.	Appropriations.	Expenditures.
Repairs of schoolhouses	$10,000.00	$9,966.45
Fuel	12,000.00	11,455.67
Furniture and supplies	1,500.00	968.26
Printing and advertising	500.00	517.33
Books and stationery	50.00	18.12
Contingent expenses	3,500.00	4,276.10
Care of rooms	10,500.00	10,588.42
Evening schools	1,800.00	1,814.69
Teachers' salaries	120,000.00	118,254.60
Evening school—mechanical drawing	300.00	268.00
Free text-books and apparatus	7,000.00	7,185.99
Manual training	600.00	605.28
Typewriters, High school	300.00	300.00
Curbing and walk at Varney school	750.00	749.33
Grading, Highland school	....	200.00
Addition to Bakersville school	7,500.00	7,592.00
Addition to Rimmon school	7,500.00	7,395.16
Grading, Youngsville school	700.00	695.04
Cost of city schools	$184,500.00	$182,850.44

COST OF CITY SCHOOLS.

Expenditures as above specified		$182,850.14
Salaries.		
Members of the schoolboard		$220.00
Clerk of board		150.00
Superintendent of schools		2,300.00
Truant officer		1,000.00
Total		$186,520.14
Receipts.		
Literary fund	$3,921.12	
Tuition and free text-books*	2,166.71	
		6,087.83
Net amount raised by taxation		$180,432.31

The city valuation for 1910 is $39,807,572, and hence the rate of school tax for the year is $180,432.31, divided by $39,807,572, or .0045+. Last year the rate was .0043+.

*School tax from Londonderry, Bedford, Goffstown, and Hooksett included.

TABLE VIII.—APPROPRIATIONS FOR ELEVEN YEARS.

YEARS.	Salaries.	Books and stationery.	Free text-books.	Furniture and supplies.	Repairs.	Care of rooms.	Fuel.	Printing, etc.	Contingent expenses.	Evening common schools.	Evening drawing schools.	Manual training.	Sewing.	Special appropriation.	Total.
1900....	$86,000.00	$75.00	$5,000.00	$1,300.00	$6,000.00	$6,500.00	$8,800.00	$300.00	2,500.00	1,200.00	225.00	$600.00	$250.00	$1,300.00	$121,050.00
1901....	88,000.00	75.00	5,000.00	1,300.00	8,000.00	6,500.00	8,800.00	300.00	1,500.00	1,200.00	250.00	500.00	250.00	3,400.00	125,075.00
1902....	91,000.00	75.00	6,000.00	1,200.00	10,000.00	6,500.00	8,800.00	300.00	2,500.00	1,200.00	250.00	500.00	230.00	.....	128,575.00
1903....	94,000.00	75.00	6,000.00	1,200.00	8,000.00	6,900.00	8,800.00	300.00	2,500.00	1,200.00	300.00	500.00	250.00	3,450.00	133,575.00
1904....	98,000.00	60.00	6,000.00	1,300.00	9,500.00	7,000.00	10,000.00	300.00	2,500.00	1,200.00	300.00	500.00	250.00	1,800.00	138,710.00
1905....	98,000.00	75.00	7,000.00	1,500.00	10,500.00	7,000.00	11,000.00	400.00	2,700.00	1,500.00	300.00	500.00	250.00	5,000.00	145,725.00
1906....	100,000.00	75.00	7,000.00	1,500.00	10,500.00	7,500.00	11,500.00	400.00	2,700.00	1,500.00	300.00	600.00	250.00	3,100.00	146,925.00
1907....	106,000.00	50.00	7,000.00	1,800.00	8,000.00	7,800.00	10,500.00	350.00	2,700.00	1,500.00	300.00	600.00	.....	975.00	147,575.00
1908....	109,500.00	50.00	7,000.00	1,500.00	8,000.00	8,500.00	11,500.00	350.00	3,000.00	1,500.00	300.00	600.00	.....	22,500.00	179,795.28
1909....	112,500.00	50.00	7,000.00	1,500.00	8,000.00	9,000.00	12,000.00	350.00	3,200.00	1,600.00	300.00	600.00	.....	10,600.00	166,700.00
1910....	120,000.00	50.00	7,000.00	1,500.00	10,000.00	10,500.00	12,000.00	500.00	3,500.00	1,800.00	300.00	600.00	.....	16,750.00	184,500.00

TABLE IX.—EXPENDITURES FOR ELEVEN YEARS.

Years.	Salaries.	Books and stationery.	Free text-books.	Furniture and supplies.	Repairs.	Care of rooms.	Fuel.	Printing, etc.	Contingent expenses.	Evening common schools.	Evening drawing schools.	Manual training.	Sewing.	Special appropriation.	Total.*
1900..	$86,126.18	$46.78	$5,016.16	$1,288.78	$6,549.41	$6,278.24	$8,168.92	$286.48	$2,483.04	$1,187.35	$234.40	$470.23	$237.28	$1,293.83	$123,187.08
1901..	87,992.38	62.02	5,000.00	1,155.25	7,999.88	6,423.30	8,790.62	302.14	2,487.89	1,181.60	227.50	496.33	246.19	3,365.77	129,253.87
1902..	93,779.80	44.66	6,160.77	1,187.38	9,996.66	6,522.13	10,304.02	283.18	2,507.19	1,155.35	252.00	498.02	250.00	.....	136,461.16
1903..	94,534.94	56.71	5,822.32	1,413.98	9,545.99	7,040.08	12,270.18	279.48	2,789.32	1,184.00	289.35	490.75	242.80	3,326.50	142,856.40
1904..	97,319.13	69.80	6,489.11	1,200.86	11,169.86	7,015.46	10,803.48	332.57	2,639.85	1,266.00	260.55	500.32	249.92	1,460.55	144,447.39
1905..	96,484.15	25.75	7,168.26	1,373.41	11,277.92	7,156.42	10,537.53	386.08	3,674.45	1,269.15	275.75	499.96	239.19	4,183.98	148,222.00
1906..	99,473.35	8.99	7,135.92	1,674.56	11,714.45	7,363.43	9,465.27	327.13	3,012.93	1,635.75	260.00	557.56	212.66	2,758.02	149,269.96
1907..	103,580.36	19.90	7,180.73	1,900.84	8,024.73	7,809.67	11,996.22	333.07	3,058.83	1,445.30	275.62	593.69	.....	1,074.63	150,963.23
1908..	109,476.57	15.12	7,147.02	1,266.73	8,503.14	8,693.20	11,477.22	401.63	4,294.74	1,634.81	259.12	599.37	.....	22,356.61	179,795.28
1909..	113,145.43	8.50	7,125.29	1 246.71	8,261.39	8,725.68	10,674.12	461.30	3,360.75	1,717.23	275.00	598.14	.....	10,439.68	169,709.22
1910..	118,254.60	18.12	7,185.99	968.26	9,966.45	10,588.42	11,455.67	517.33	4,276.10	1,814.69	268.00	605.28	.....	16,931.53	182,850.44

*Including salaries of schoolboard, clerk, superintendent, and truant officer.

X. School Year, 1909-10.

Fall term of fifteen weeks opened September 7, 1909, closed December 17, 1909. Vacation of two weeks.

Winter term of twelve weeks opened January 3, 1910, closed March 25, 1910. Vacation of two weeks.

Spring term of eleven weeks opened April 11, 1910, closed June 24, 1910. Vacation of ten weeks.

Number of school days in the year, 190.

Number of days schools were actually in session, 180½.

XI. High School Graduation.

PROGRAM.

CHORUS. "Song of the Armorer".....*Nevin*
SALUTATORY. "School Friendship."

AGNES CHRISTINE BRUTON.

CHORUS. "Bright Dews of Morning.".....*Crowe*

Vocal Waltz.

CLASS HISTORY.

CARROLL ABBOTT PARNELL.

CHORUS. "The Soldier's Life".....*Sir Arthur Sullivan*

From "Pirates of Penzance."

VALEDICTORY. "Opportunity."

EMILY JOSEPHINE WINCH.

PRESENTATION OF DIPLOMAS.

ALLAN M. WILSON, ESQ.

SINGING OF CLASS ODE.

MEMBERS OF GRADUATING CLASS, 1910.

Edward Auton Adams
Anita Mae Allen
Mabel Harriet Ashcroft
Ernest William Auger
Alfred Eaton Baldwin
Ernest Kilton Barnard
Arnold Eastman Bartlett
Earle M. Blair
Anna Elizabeth Blanchard
Leno Barbara Bond
Percival Allen Boone
Regina Layman Branch
Ethel Woodbury Brown
Agnes Christine Bruton

Hazel Maida Burtt
Mabelle Alice Caldwell
May Ronald Callaghan
Edith May Cann
Stewart Cheney
Byron Humphrey Clark
Eugene Smith Clark
Annie R. Cohen
Cassie Miner Colby
Dudley Ray Colby
Edward Coleman
Mary Katherine Connor
Charles Stephen Costigan
Lynda M. Courser
Laura M. Crafts
Mary Anna Cunningham
Hilda Lena Davis
Marguerite Caswell Donnelly
Eunice Martin Dunbar
Alice Elizabeth Duncan
Robert Harry Duncan
Clyde Vernon Dutton
Ethel Pearl Edgar
Ethel May Enman
LeRoy Glass Erskine
Allen Harrison Estey
Mark Edmund Farmer
Robina May Fisher
Walter Richard Fradd
Sadie Erma Francis
Martha Jane French
Olive Hale
Alice May Hall
Bessie Lucile Hardy
Florence Natalie Hardy
Sara Estella Hawkins
Alice Parkinson Herrick
Raymond Warren Huse
Albert E. Johnson
William Henry Johnson
Ruby Maude Johnstone
Dorothy S. Kendall
Ethel Ida Landers
Arthur Russell Leavitt
Walter Ervin Leavitt
Esther Blanche Lemon
Martha Edith Lenz
Fannie Helen Lichtenstein
Henry H. Lindquist
Carolyn Guild Livingston
Ernest Gilman Loomis
Sigmund Lowenstam
Annie Mary Lyons
Susie Pearl Magoon
Grace Adeline Moore
Arthur Ward deMoulpied
James Aloysius Moynihan
Elizabeth Ellen Muir
James Murray
Westly Joseph Nelson
Victoria Nettel
Leslie S. Osgood
Mildred May Paige
David Anthony Parker
Carroll Abbott Parnell
Ray Charles Pillsbury
Bertha Elizabeth Proud
Clinton Arthur Reed
Edward Rich
Walter Benjamin Richardson
Winnifred B. Rogers
Esther Rosenblum
Ethel Eupheme Rowell
Sarah Russell
Mary Mildred Ryder
Leon Beckwith Savacool
Albert Ernest Slager
David Albert Smith
Herman Varnum Sproat
Lewis Thomas Stearns
Katherine Mary Sullivan
Mary Gertrude Sullivan
Roger John Sullivan
Irma Agnes Talpey
Peter Francis Talty
Robert John Teehan
Alfred Hazen Vose
Harold Melvin Walker
Helen Margaret Welch
Emily Josephine Winch
Pearl Elsie Woodbury
Harold Mathes Worthen

CLASS ODE.

Words by Edward Coleman.

Dear M. H. S., for thee tonight
  Our hearts with love beat strong and full
Beneath these colors, green and white,
  The emblem of our honored school.

CHORUS.

Our deeds shall prove our words are true,
  Though what our future none may guess.
But this we promise e'er to do,
  To honor thee, dear M. H. S.

How swiftly have the years gone by,
  Each filled with joys that now seem dear;
Whatever way our paths shall lie,
  We'll one and all thy name revere.

CHORUS.

Dear M. H. S., we sing to thee
  The praises that to thee belong,
And faithful to thy name we'll be
  And guard it well from every wrong!

CHORUS.

XII. Winners of Clarke Prizes.

FOR EXCELLENCE IN ELOCUTION AT CONTEST, JANUARY, 1910.

First prize, $25, John J. Bradley.
Second prize, $20, Catherine Barnes.
Third prize, $10, Leslie S. Osgood.
Fourth prize, $5, Beatrice Goulding Burr.

XIII. Organization, 1911.

SCHOOL COMMITTEE.

EDWARD C. SMITH, 900 Union street, *Mayor, ex officio Chairman.*
ERNEST BOURNIVAL, 286 Pearl stret, *President Common Council, ex officio.*
EDWARD B. WOODBURY, *Vice-Chairman of the Board.*
CHARLES H. MARTEL, *Clerk of the Board.*

WARD 1. Ernest W. Wiesner, 19 Market street.
WARD 2. Allan M. Wilson, 293 Myrtle street.
WARD 3. Frank L. Downs, 108 Ash street.
WARD 4. William A. Phinney, 450 Manchester street.
WARD 5. John F. Lee, 224 Central street.
WARD 6. Harry L. Davis, 552 East Spruce street.
WARD 7. Edward B. Woodbury, 1 Pleasant street.
WARD 8. Frank A. Cadwell, 142 Douglas street.
WARD 9. Nazaire E. Biron, 544 Main street.
WARD 10. Francis X. Lyons, Goffe's Falls.

SUPERINTENDENT OF PUBLIC INSTRUCTION.

CHARLES W. BICKFORD.

Residence, 1077 Union street. Office, City Hall building.
Telephone 1615.

Office Hours.—From 8 to 9 o'clock A. M., on school days, except Thursdays; Thursdays from 7.30 to 8.30 P. M.

SUPERINTENDENT'S CLERK.

FANNIE L. SANBORN.

Residence, 277 Laurel street.

TRUANT OFFICER.

CURTIS W. DAVIS.

Residence, 849 Chestnut street.

STANDING COMMITTEES.

Finance.—Mayor Smith, Messrs. Bournival, Davis, Woodbury and Cadwell.

Text-Books.—Messrs. Wilson, Woodbury, Downs, Lyons and Phinney.

Music.—Messrs. Lyons, Davis and Biron.

Drawing.—Messrs. Wiesner, Woodbury, and Davis.

Manual Training.—Messrs. Cadwell, Wiesner, and Phinney.

Examination of Teachers.—Messrs. Davis, Downs, and Wilson.

Fuel.—Mr. Phinney, Mayor Smith, Messrs. Bournival, Lee, and Biron.

Repairs.—Messrs. Downs, Lee, Wiesner, Cadwell, and Wilson.

Attendance.—Messrs. Lee, Phinney, and Cadwell.

Health.—Messrs. Biron, Wilson, and Lyons.

SUBCOMMITTEES.

High.—Messrs. Downs, Wilson, Phinney, Cadwell, and Wiesner.
Amoskeag.—Messrs. Wilson, Biron, and Cadwell.
Ash-street and Webster's Mills.—Messrs. Downs, Woodbury, and Biron.
Bakersville and Mosquito Pond.—Messrs. Lyons, Phinney, and Downs.
Chandler.—Messrs. Lee, Woodbury, and Cadwell.
Franklin-street.—Messrs. Woodbury, Davis, and Lee.
Goffe's Falls and Highland.—Messrs. Lyons, Cadwell, and Wiesner.
Hallsville and Harvey.—Messrs. Davis, Wilson, and Phinney.
Lincoln-street and Youngsville.—Messrs. Phinney, Lee, and Davis.
Main-street.—Messrs. Biron, Cadwell, and Lyons.
Merrimack-street.—Messrs. Phinney, Wilson, and Downs.
Parker.—Messrs. Cadwell, Lyons, and Wilson.
Pearl-street.—Messrs. Woodbury, Wiesner, and Phinney.
Rimmon.—Messrs. Biron, Downs, and Wiesner.
Spring-street.—Messrs. Wiesner, Woodbury, and Davis.
Straw.—Messrs. Wiesner, Biron, and Wilson.
Varney.—Messrs. Cadwell, Lyons, and Downs.
Webster-street and Stark.—Messrs. Wilson, Davis, and Lyons.
Wilson.—Messrs. Davis, Phinney, and Wiesner.
Kindergartens.—Messrs. Downs, Woodbury, and Lee.
Evening Schools.—Messrs. Lee, Davis and Biron.

XIV. List of Teachers.

(Giving the name, school, grade of school, and residence of each teacher.)

HIGH SCHOOL.—BEECH STREET.

Master.—George H. Libby, 581 Chestnut street.
Submaster.—George I. Hopkins, 563 Maple street.
Assistants.—Harry N. McLaren, 648 Hall street.
Charles F. Bates, 595 Pine street.
Norris D. Blake, 251 Sagamore street.
Allan E. Herrick, 91 Russell street.
Fred H. Hodgson, 259 Sagamore street.
Arthur O. Friel, 911 Union street.
Mary J. Wellington, The Delta.
Mary H. Dowd, 43 High street.
Elsie D. Fairbanks, 527 Hanover street.
Annie M. Vose, 689 Union street.
Edith M. Pierce, Goffstown, N. H.
Bertha A. Blanchet, 467 Hanover street.

Assistants.—Helen I. Buck, 324 Myrtle street.
Cora J. Russell, 93 Myrtle street.
Edna C. Cullis, 581 Chestnut street.
Anne G. Towle, 191 Ash street.
Bertha V. Healey, 304 Central street.
Florence E. King, 41 High street.
Mildred Fritz, 754 Chestnut street.
Clerk.—Vona M. Mellen, 581 Chestnut street.

AMOSKEAG SCHOOL.

Principal.—Blanche L. Bachelder (Grades 8, 7, 6), 276 Orange street.
Grades 5, 4.—Edna L. Merrill, 375 Concord street.
Grades 3, 2.—Anna C. O'Donoghue, 131 Laurel street.
Grades 2, 1.—Mildred G. Morey, 581 Union street.

ASH-STREET SCHOOL.

Second Floor.

Master.—Edgar D. Cass, 298 Prospect street.
Master's Assistant.—Amelia L. Graupner, Grade 8, 215 Walnut street.
Grade 7.—Emma L. McLaren, 351 Bridge street.
Grade 6.—Belle R. Daniels, 586 Beech street.
Grade 5.—Emma J. Cooper, 488 Maple street.

First Floor.

Grade 4.—Marjorie S. Woodbury, 1 Pleasant street.
Grade 3.—Alice E. Good, 679 Maple street.
Grade 2.—May F. Nutt, 604 Beech street.
Grade 1.—Hulda C. Graupner, 215 Walnut street.

BAKERSVILLE SCHOOL.

Second Floor.

Principal.—Elizabeth A. Burns (Grades 8, 7), 214 Calef road.
Principal's Assistant.—Lelia A. Brooks, 23 Cheney place.
Grades 6, 5.—Jennie F. McGrath, 350 Auburn street.
Grades 5, 4.—Mary L. Heath, 97 Bridge street.

First Floor.

Grades 4, 3.—Augusta S. Downs, 397 Merrimack street.
Grade 2.—Bessie J. Bartlett, 39 West Merrimack street.
Grade 1.—Kathryn D. McKeon, 279 East Spruce street.

CHANDLER SCHOOL.

First Floor.

Principal.—Helen Morison (Grade 6), 334 East Spruce street.
Grade 2.—Jennie R. McLaughlin, 646 Maple street.
Grade 1.—Helen N. Bly, 722 Beech street.

Kindergarten.

Principal.—Mabel B. Currier, 225 Bridge street.
Assistant.—Eugenia Morey, 581 Union street.

Second Floor.

Grade 5.—Harriet S. Tuttle, 154 Lowell street.
Grade 4.—Ede B. Shand, 317 East High street.
Grade 3.—Amy K. Northrup, 454 Merrimack street.
Grade 2.—Delia B. Clarke, 368 Merrimack street.

FRANKLIN-STREET SCHOOL.

Second Floor.

Master.—Isaac Huse, 143 Mammoth road.
Master's Assistant.—Caroline E. Head (Grade 8), 94 Myrtle street.
Grade 7.—Frances E. Barndollar, 1470 Elm street.
Grade 6.—Daisy E. Flanders, 714 Beech street.
Grade 5.—Mary T. Morrow, 402 Manchester street.

First Floor.

Grade 4.—Hattie E. Read, 46 Water street.
Grade 3.—Josephine L. Riddle, 581 Chestnut street.
Grade 2.—Grace M. Whittemore, 11 Nashua street.
Grade 1.—Ida L. Montgomery, 306 McGregor street.

GOFFE'S FALLS SCHOOL.

Principal.—Alice C. Taggart (Grades 8, 7, 6), 46 Brooklyn avenue.
Assistant, P. M.—Vacancy.
Grades 4, 3.—Edith A. Murphy, 162 Winter street.
Grades 2, 1.—Lauretta B. Sawtelle, 651 Summer street.

HALLSVILLE SCHOOL.

Second Floor.

Master.—William H. Huse, 97 Mammoth road.
Master's Assistant.—Millicent S. Morse (Grade 8), 963 Valley street.
Grade 7.—Olive A. Rowe, 118 Walnut street.
Grade 6.—Mary L. Mooar, 280 Taylor street.
Grade 5.—Mae L. Lovejoy, 9 Elm street.

First Floor.

Grade 4.—Ina E. Tuttle, 481 Hall street.
Grade 3.—Marion L. Smith, 1029 Merrill street.
Grade 3.—Martha J. Kennedy, 457 Milton street.
Grade 2.—Vivian E. Matthews, 706 Beech street.
Grade 1.—Alice B. Morrill, 296 Laurel street.
Grade 1.—Annie R. Corson, 36 Ray street.

HIGHLAND SCHOOL.

Principal.—Annabel D. Wyman (Grades 8 to 5), 685 Hanover street.
Assistant, A. M.—Vacancy.
Grades 4 to 1.—Mary Walker, 685 Hanover street.

LINCOLN-STREET SCHOOL.

Second Floor.

Master.—Alvah H. M. Curtis, 329 Orange street.
Master's Assistant.—Gertrude Adams (Grade 8), 332 Hanover street.
Grade 7.—Josephine E. Paige, 420 Amherst street.
Grade 6.—Lillian F. Crowther, 376 Manchester street.
Grade 5.—Lois D. Beck, 326 Amherst street.

First Floor.

Grade 4.—J. Elizabeth Cate, 502 Merrimack street.
Grade 3.—Katherine A. Frain, 262 Auburn street.
Grade 2.—Theodora Richardson, 481 Lincoln street.
Grade 1.—Nettie S. Rennie, 439 Laurel street.

LOWELL-STREET SCHOOL.

Manual Training.

Principal.—Fred E. Browne, 19 South Spring, Concord, N. H.
Assistants.—Fred E. Browne, 19 South Spring, Concord, N. H.
Fred H. Humphrey, 43 Malvern street (deceased).
Charles M. Curl, 279 Ash street.

MAIN-STREET SCHOOL.

Second Floor.

Principal.—Mary W. Mitchell (Grade 6), 341 Hanover street.
Grade 5.—Hattie O. Willand, 16 Monroe street.
Grade 4.—M. Minnie Sturtevant, 128 Milford street.
Grade 3.—Elizabeth F. Walsh, 166 North Main street.

First Floor.

Grade 3.—Kate T. Clarke, 313 Granite street.
Grade 2.—Mary H. O'Dowd, 703 Pine street.
Grade 1.—Myrtle V. Slager, R. F. D. No. 6.
Grade 1.—Clara V. Clement, 104 Parker street.

MERRIMACK-STREET SCHOOL.

Principal.—Nellie F. Dunnington (Grade 4), 367 Lake avenue.
Grade 3.—Ella M. Chapman, 36 Vinton street.
Grade 2.—Mary A. Brennan, 487 Candia road.
Grade 1.—Hazel R. Porter, 330 East Spruce street.
Special Class.—Florence Prescott, 612 Belmont street.
Special Class.—Regular substitute.
Special Class.—Regular substitute.

PARKER SCHOOL.

First Floor.

Principal.—Mary E. Moulton (Grades 8, 7), 265 Milford street.
Grade 2.—Grace M. Brown, Gold street.
Grade 1.—Maude E. Winegar, 186 Bowman street.

Kindergarten.

Principal.—Marian Ryan, 883 Union street.
Assistant.—Maude A. Avery, 352 Laurel street.

Second Floor.

Grade 6.—Mary L. Ayer, 51 Erie street.
Grade 5.—Ethel M. Bartlett, 281 Jewett street.
Grade 4.—Gertrude S. Mitchell, 178 Milford street.
Grade 3.—Eda M. Barr, 16 C street.

PEARL-STREET SCHOOL.

Principal.—Mary G. Tynan (Grade 4), 235 Pearl street.
Grade 3.—Nellie M. Smith, 1327 Hanover street.
Grade 2.—Florence Abbott, 333 East High street.
Grade 1.—Alice E. Walsh, 166 North Main street.

RIMMON SCHOOL.

Second Floor.

Principal.—Harrison N. Bowen (Grades 8, 7), 294 Granite street.
Grades 6, 5.—Blanche E. Hicken, West Salmon street.
Grade 4.—Mary E. Bulman, 600 Beech street.
Special non-English speaking class, substitute.

First Floor.

Grades 3, 2.—Louise M. Bryson, 406 Granite street.
Grades 2, 1.—Mary S. White, 70 Kelly street.
Grade 1.—Sarah A. Hodgman, 42 George street.

SPRING-STREET SCHOOL.

Second Floor.

Principal.—Annabel Emerson (Grade 4), R. F. D. No. 2.
Grade 3.—Helen F. Lyons, 270 Lake avenue.

First Floor.

Grade 2.—Lou E. Kean, 271 Laurel street.
Grade 1.—Sarah B. Dunbar, 538 Lake avenue.

Kindergarten.

Principal.—Grace M. Carr, 347 Bridge street.
Assistant.—Ethel Church, 874 Union street.

STRAW SCHOOL.

First Floor.

Principal.—Alta C. Willand (Grade 7), 16 Monroe street.
Grade 2.—Florence H. Moore, 841 Union street.
Grade 1.—Edith M. Stebbins, 58 Myrtle street.

Kindergarten.

Principal.—Jennette M. Bartlett, 250 Harrison street.
Assistant.—Elsie M. Dustin, 79 Pennacook street.

Second Floor.

Grade 6.—Elizabeth J. McKelvie, 326 Laurel street.
Grade 5.—M. Eunice Willand, 16 Monroe street.
Grade 4.—Laura M. Gould, 41 Brook street.
Grade 3.—Ida M. Crowther, 376 Manchester street.

VARNEY SCHOOL.

Second Floor.

Master.—George Winch, 804 Beech street.
Master's Assistant.—Jennie V. Williamson (Grade 8), 31 Carroll St.
Grade 7.—Esther M. Dickey, 38 Avon street.

First Floor.

Grade 6.—Ellen E. McKean, 33 Ash street.
Grade 5.—Bertha L. Marden, 307 Walnut street.
Grade 4.—Mary E. Trinity, 50 Elm avenue.
Grade 3.—Jennie M. Landers, 924 Clay street.
Grade 2.—Laurette McKendree, 197 Bridge street.
Grade 1.—Annie E. Walsh, 166 No. Main street.

WEBSTER-STREET SCHOOL.

Second Floor.

Master.—John Gault, 700 Pine street.
Master's Assistant.—Maude Lamprey (Grade 8), 96 Blodget street.
Grade 7.—Lillian Whitney, 304 Hanover street.
Grade 6.—Jennie Russell, North River road.
Grade 5.—Eva F. Tuson, 36 Appleton street.

First Floor.

Grade 4.—Jean Gillan, 7 West Appleton street.
Grade 3.—Marcia M. Moore, 841 Union street.
Grade 2.—Agnes M. Woodbury, 1 Pleasant street.
Grade 1.—Sarah M. McKelvie, 326 Laurel street.

WILSON SCHOOL.

First Floor.

Principal.—Barbara B. Joy, 481 Hanover street.
Principal's Assistant.—Blanche L. Bryant (Grades 8, 7), 382 Central street.
Grade 3.—Bertha V. Franks, 9 West Merrimack street.
Grade 2.—Florence L. Abbott, 356 Laurel street.
Grade 1.—Avis A. Armstrong, 311 Lake avenue.

Second Floor.

Grade 6.—L. Helen Haskell, 489 Hanover street.
Grade 5.—Harriet H. Richardson, 481 Lincoln street.
Grade 4.—Florence Richardson, 481 Lincoln street.
Grade 3.—Elizabeth H. Callaghan, 1017 Hayward street.

YOUNGSVILLE.

Principal.—Mary E. Stevens (Grades 8, 7, 6, 5, 4), 341 Hanover street.
Grades 3, 2, 1.—Blanche L. Corning, 521 Lake avenue.

UNGRADED SCHOOLS.

Harvey.—Emma J. Ela, 585 Beech street.
Mosquito Pond.—Marion F. Partridge, 73 Sagamore street.
Stark.—Helen M. Bullard, 286 Jewett street.
Webster's Mills.—Phoebe Riley, 73 Buzzell street.

SPECIAL TEACHERS.

Music.—A. J. Abbott, 892 Beech street.
Maude E. Brown, 18 Brook street.
Drawing.—J. Warren Thyng, 92 Arlington street.
Annie W. Patten, 254 Laurel street.

SUBSTITUTES.

Bessie R. H. Caine, 70 Old Falls road.
Marjorie Drew, 336 Manchester street.
Susie A. Huff, 311 Lake avenue.
Laura McKenna, 154 New Mast road.

JANITORS.

High School.

(Janitor and Schoolhouse Agent)
Charles F. Jack, 55 West Merrimack street.

(Assistant Janitor)

Irving W. Corning, 20 Pleasant street.

(Engineer)

George H. Jack, 53 Ash street.

Amoskeag School.

Charles H. Corey, 49 Pennacook street.

Ash-street School.

John J. Kelley, 82 Arlington street.

Bakersville School.

Edwin N. Baker, 10 Brown avenue.

Chandler School.

John S. Avery, 404 Merrimack street.

Franklin-street School.

Edward A. Powers, 283 Laurel street.

Goffe's Falls School.

Louis Hueber, 2966 Brown avenue.

Hallsville School.

William H. Newry, 314 Lake avenue.

Highland School.

Marshall N. Badger, 600 South Beech street.

Lincoln-street School.

Hugh McVicar, 376 Orange street.

Main-street School.

Philip Rogler, 121 Milford street.

Merrimack-street School.

Harvey J. Johnson, 382 Merrimack street.

Parker School.

William F. Henderson, 153 Bowman street.

Pearl-street School.

Edward Linehan, West Salmon street.

Rimmon School.

Urbain Gelinas, 410 Dubuque street.

Spring and Lowell-street Schools.

John Cedar, 91 Blodget street.

Straw School.

William A. Tufts, 41 Appleton street.

Varney School.

Joseph H. Buffum, 63 Boynton street.

Webster-street School.

William J. Powers, 30 Ray street.

Wilson School.

Dennis Sullivan, 262 Green street.

Youngsville School.

Edward Ivers, Broadway avenue.

XV. School Year, 1910-1911.

Fall term opened September 6, 1910, closed December 16, 1910. Vacation of two weeks.

Winter term of twelve weeks opens January 2, 1911, closes March 24, 1911. Vacation of two weeks.

Spring term opens April 10, 1911, closes June 23, 1911. Vacation of ten weeks.

Fall term opens September 5, 1911. Continues fifteen weeks, closes December 15, 1911.

REPORT

OF THE

TRUSTEES OF THE CITY LIBRARY.

MANCHESTER CITY LIBRARY, 1910.

Trustees.

Eugene E. Reed, *Mayor, ex officio.*
James B. Fitch, *President of the Common Council, ex officio.*

Henry W. Boutwell.	Term expires 1911.
Roger G. Sullivan.	Term expires 1912.
Walter M. Parker.	Term expires 1913.
Herman F. Straw.	Term expires 1914.
Edwin F. Jones.	Term expires 1915.
Frank P. Carpenter.	Term expires 1916.
William P. Farmer.	Term expires 1917.

Officers.

PRESIDENT, *ex officio.*

Eugene E. Reed.

CLERK AND TREASURER.

Edwin F. Jones.

Librarian.

F. Mabel Winchell.

Assistants.

E. Louise Newell, classifier.
Mrs. Edith O. Emery, cataloger.*
Charles S. Morgan.**
Albro P. Reed.**
Arthur R. Leavitt.***
Eugene S. Clark.****
Carlton F. Hamer.
Ruth H. Bartlett.
Caroline B. Clement.
Una Vincent.
Sarah C. Aiken.†
Margaret I. Grant.‡
Florence H. Butterick, cataloger.§

JANITOR.

Gustav Hecker.¶

Library Hours.

10 A. M. to 8 P. M., Saturdays till 9 P. M.
Sundays (for reading and reference) 11 A. M. to 5 P. M.

* Resigned November 26.
** Sundays only.
*** Resigned June 11.
**** Resigned October 29.
† From April 14.
‡ From May 9.
§ From November 25.
¶ From April 20.

REPORT OF THE TRUSTEES OF THE CITY LIBRARY.

To the Board of Mayor and Aldermen:

In behalf of the trustees of the City Library I would report that during the year 1910 the work of the library went on about as usual, many books were purchased, the circulation increased, and the usefulness of the institution was demonstrated more clearly than ever. The report of the librarian, which is submitted herewith, shows the details of the work. The recommendations and suggestions made by the librarian are in the main to be highly approved. Longer hours of opening, branch stations, a children's room with trained assistants, are all needed to bring about a proper efficiency of the library of a city of the size of Manchester. But they require much more work of an already hard-pushed staff, more than it is capable of performing. What is needed is a larger appropriation for the maintenance and management. Two thousand dollars for the purchase of books and seven thousand for maintenance were appropriated in 1910. No New England city of similar size expends less on its public library. If the citizens desire greater efficiency and convenience, they should urge upon the city government larger appropriations in the future.

EDWIN F. JONES,
Clerk.

LIBRARIAN'S REPORT.

To the Trustees of the City Library, Manchester, N. H.:

GENTLEMEN:—Following is the librarian's report for 1910, being the fifty-seventh annual report of the City Library.

GROWTH AND DEVELOPMENT.

The circulation of books to the homes of the people, while only one department of the work of a public library, is usually considered a good indication of the growth and usefulness of the institution as a whole. Measured by this standard our library has had the most useful year in its history. The circulation exceeds that of last year by more than 8,000 and that of any previous record by 2,644. While this increase is very gratifying we are not satisfied because we feel that it ought to be larger, — considerably larger. This opinion is based on the knowledge of the activities carried on, and the results obtained in other libraries.

Circulation

First, we believe that the library hours should be lengthened. In a city of 70,000 people the library certainly ought to be open from 9 A. M. to 9 P. M. each week day. Constantly we have people come between 9 and 10 A. M. expecting to find the library open. At night it seems a great pity to turn out the lights on a roomful of people in the middle of the evening. If a person lives at some distance from the library he cannot get home, have his supper, and reach the library much before 7.30, sometimes later. When he is just getting well interested in his reading the clock strikes eight and he is turned out. This "ought not so to be."

Hours open

A bulletin, either monthly or quarterly, should be issued that the patrons may have in convenient form, a well-printed list of the books added to the library. Such a list, which might be taken to the homes, looked over at leisure, and referred to whenever desired, we feel certain would result in a wider use of the books — especially the works of non-fiction. Short lists of selected books on popular subjects printed on slips of paper or cardboard, which may be used as bookmarks, have been found very useful in calling attention to the best books on given subjects. Selections of books on topics of current interest displayed in connection with picture bulletins, bring into use many volumes which would otherwise stand idle on the shelves. The books are bought to be used and it seems as if we were not getting the full worth of the money spent, while we are not doing all that might be done to bring the book and the reader together.

Bulletin

Book lists

Many libraries spend much time, thought and effort in making their resources known to the people.

Pictures

Collections of pictures classified and mounted for use by the schools, clubs, or for individual study are a feature which adds much to the usefulness of many libraries and ought not longer to be neglected by ours. Exhibits of pictures such as are loaned by the Library Art Club to its members, among which we should be numbered, are very instructive, serve to arouse interest along varied lines of reading and to attract to the library some who might not otherwise seek their recreation along educational lines.

Branches

In a city which spreads over as much territory as is covered by Manchester there should be branch libraries or delivery stations in the more remote sections. At the present time at least three such stations are needed.

Children's room

But most of all there is needed a special department for work with the children. This work has been too long neglected. Many opportunities to teach and to train the children who flock to the library have been lost because the assistants have been so busy in attending to the wants of adults, that there was scant time for inculcating lessons of cleanliness, care of books, and taste for good literature. These lessons learned during childhood influence all the future life and make for a greater intelligence, purer enjoyment, and better citizenship. The city could not invest a few thousand dollars to better purpose or with a greater surety of good results. In this matter we are far behind other cities of our class, and also various smaller cities and towns of our state, as shown by the following statistics.

	Population	Cir. from Children's room	Total Circulation
Rochester, N. H.	8,466	10,876	43,832
Dover, N. H.	13,207	11,902	58,669
Nashua, N. H.	26,005	16,680	74,986
Fitchburg, Mass.	37,826	22,154	73,633
Holyoke, Mass.	57,730	39,150	116,810
Somerville, Mass.	77,236	75,680	238,471
Lawrence, Mass.	85,892	43,454	124,809
Lynn, Mass.	89,336	40,728	230,483
Fall River, Mass.	119,295	58,033	186,207

Staff insufficient

These are a few of the many ways in which our library ought to be developing, but instead of taking up new activities and widening its influence we have been obliged to drop some of the things formerly done and have barely been able to carry the routine work. For several years, as has been stated in previous reports, the assistants have been unequal to the many demands upon them. Not only has the increased circulation made more work at the delivery desk but it has occasioned,

very naturally, more wear and tear of the books which has necessitated more mending. More than twice as many books have been repaired at the library this year as were in 1908 or 1909. Again, more books have been purchased this year than ever before, which adds materially to the work in many lines, such as selecting, ordering, checking, collating, accessioning, classifying, cataloging, shelf-listing, book-plating, etc., etc. The congestion referred to in last year's report has increased this year in consequence of the larger number of books purchased and the general increase of work. There is just one right way of solving this difficulty and that is by adding to the number of assistants.

Increase of work

Solution of problem

The present library staff is the best the library has had for many years, perhaps ever. By this is meant that, taken as a whole, they are better educated, more interested in the work, and more efficient and faithful in the performance of their duties. This, of course, means more and better work accomplished and more satisfactory service rendered to our patrons. Two of the high school boys, Arthur R. Leavitt and Eugene S. Clark, who have given us such time as they could spare from their studies, during two or three years of their high school course, have left to continue their studies elsewhere.

Staff

Mrs. Edith O. Emery, who has been connected with the library for seventeen years, resigned the last of November to take up home duties. For many years she has been cataloger and has done the work with great accuracy, neatness, and efficiency. To fill the vacancy thus created Miss Florence H. Butterick of Sterling, Mass., was appointed. Miss Butterick is a graduate of Mt. Holyoke College and of the Simmons College library school and has had some experience in two Massachusetts libraries. We consider that we are very fortunate in securing one so well fitted for the work.

Miss Aiken, who was with us last year as a pupil assistant, received appointment to the staff in April, and Miss Margaret I. Grant, who came to us as a pupil assistant in January, became a member of the staff in May. Both of these young ladies are high school graduates and have entered the library because of a definite desire to engage in library work.

One important addition to our working force this year has been the long-desired and much-needed janitor. Gustav Hecker, who was appointed to this position, began work in April and has made us wonder how we ever managed to get along without him. He has not only given his attention to keeping the library clean, but has proved himself handy in making small repairs about the building. He has also been very useful when necessary to eject intoxicated men from the reading room—a disagreeable task unsuitable for a woman.

Janitor

THE COURSE OF EVENTS.

Two events have occurred this year which are very much to be regretted. In June the library was broken into and $25.15 were stolen. In November a similar break was made when the thieves secured $29.72, besides doing much damage. Not only was a window broken to gain entrance but two doors were badly broken, and some furniture reduced to kindling wood. Contents of drawers were upset and the place left in great disorder. In both cases the breaks occurred when there was an unusually large amount of money on hand. Bad as are these losses and depredations it would seem that the worst feature of the matter is that no clue has been found to the culprits in either case. A safe in which to put the cash at night would probably be as good a preventive as we could have against further breaks. It would also serve a useful purpose as a secure place in which to keep our records and a few valuable books and pamphlets which would be difficult to replace. With the library in such close proximity to other buildings there is much danger of fire and at present there is no spot in the building where anything may be reasonably safe from flames.

Burglaries

Safe needed

The result of the inventory this year is somewhat discouraging. Two hundred and sixteen books are missing, a large proportion of which have probably been taken maliciously. Also more magazines than usual have disappeared from the reading room. The assistant, recommended in the last seven reports, whose duties should be chiefly in the reading room, would probably be the best check that could be put upon this pernicious practice.

Inventory

The repairs to the building this year were not numerous. The roof, where the wing joins the main building, has long given trouble by leaking. This valley was covered with copper and since then we have experienced no further trouble. The slates on the east side of the roof of the wing were all reset and other slight repairs made on the roof wherever needed.

Repairs

The walls in the front vestibule and some places in the reading room, where the paint had scaled off badly, were repainted. Ten Tungsten lights were installed in the reading room to take the place of the clusters of electric lights and the large gas light, formerly used.

The floor of the document room was covered with a cement coating which has successfully kept down the dust that was so troublesome. The floor just inside the delivery desk was worn into hollows by the constant travel there in the service of the public. This was relaid and covered with linóleum.

In the early part of the summer it was found that the boiler was so thoroughly worn out that a new one was a necessity. In Septem-

ber a temporary boiler was put in to use until the new one came. This arrived in December and necessitated closing the library on Sunday, December 18, while it was being installed.

Librarian's absence

Through the kindness of the trustees in granting a two months' leave of absence, the librarian was enabled to take a long-desired three months' trip abroad. The person must be dull, indeed, who would not be intellectually broadened and quickened by European travel, with all its historic and artistic associations. The old saying, "All bring grist to your mill," seems particularly applicable to the librarian, for there is no branch of knowledge or experience which is not called into use sooner or later in the demands that are made upon her.

Neighborhood library meeting

In December a neighborhood meeting was held at the library to which the librarians of the surrounding towns were invited. This meeting was called in pursuance of a plan formed at the meeting of the New Hampshire Library Association held at Bretton Woods in 1909. It was suggested at that time that if the larger libraries of the state should hold such informal neighborhood gatherings it might result in more helpfulness to the smaller libraries than the meetings of the state association. The invitations were fairly well responded to and a number came who had never before attended any library meeting. Such meetings if held once or twice a year would probably prove of much value.

Gifts

The library is indebted this year to many friends for gifts of books and periodicals. Among these were fifty-three volumes, mostly in the Swedish language, received from the estate of Charles G. Levan; also a valuable eight-volume history of "The Union Army," presented by J. H. DeMeritt, M. D., of Washington, D. C. Another notable gift was that of thirty volumes of the "Lineage Book" of the National Society of the Daughters of the American Revolution, given by the Molly Stark Chapter, D. A. R. The papers have continued their generous helpfulness in printing our booklists and various notices: a kind of giving which is heartily appreciated by the library and presumably by the readers for whose benefit it is primarily done.

The librarian wishes to express her gratitude to all who have in any way added to the usefulness of the library; to the staff for its faithful performance of duty and its interest in all that pertains to the welfare of our growing institution; and to the trustees who have made possible the record of growth which is here given.

Respectfully submitted,

F. MABEL WINCHELL,

Librarian.

APPENDIX I.

Accessions.

Increase by purchase	2,333
Increase by gift	274
Increase by binding periodicals	413
Increase by volumes exchanged	2
Increase by public documents not accessioned	513
Total increase for the year	3,535
Number of accessions as last reported	61,518
Whole number of accessions	64,540
Number of volumes purchased from the Dean fund	170
Number of volumes purchased from the Eaton fund	42
Number of volumes purchased from the Elliot fund	16
Worn out volumes withdrawn from circulation	279
Number of volumes replaced	259
Number of volumes lost or injured and paid for	31
Number of volumes lost and not paid for	3
Number of volumes burned on account of contagious diseases	6
Number of magazines subscribed for	148
Number of magazines given	44
Number of newspapers subscribed for	7
Number of newspapers given	7
Total number of periodicals received	206

APPENDIX II.

Circulation and Registration.

CIRCULATION.

Number of days open for circulation of books	305
Average daily use (home)	299
Largest number any one day (November 5)	611
Smallest number any one day (July 8)	156
Largest number any one month (November)	8,974
Smallest number any one month (July)	6,466
Home circulation	91,109
Number of volumes issued to schools	1,552
School circulation (estimated from partial records)	7,069
Home circulation, including school circulation	98,178
Number of volumes delivered in reading room	17,923
Average daily use	59
Total circulation	116,101

RECORD, BY CLASSES, OF VOLUMES ISSUED.

	No. vols.	Per cent.
General works	5,062	5.6
Philosophy and religion	1,067	1.2
Biography	1,610	1.8
History	2,485	2.7
Geography and travels	1,931	2.1
Social sciences	674	.7
Science and useful arts	3,689	4.
Fine arts	2,197	2.4
Literature	5,106	5.6
Fiction	67,222	73.8
Pictures	66	.1
Total	91,100	

REGISTRATION.

Active borrowers, December 31, 1909		5,019
New borrowers registered in 1910	1,021	
Registrations renewed in 1910	358	
Total number registered in 1910		1,379
		6,398
Registrations lapsed during 1910		115
Active borrowers, December 31, 1910		6,283

APPENDIX III.

MISCELLANEOUS STATISTICS.

Number of volumes classified	3,195
Number of volumes cataloged	2,822
Number of volumes bound and repaired at bindery	1,072
Number of volumes repaired at library	7,702
Number of volumes covered at library	10,639
Mail notices for overdue books	1,752
Reserve notices paid for	1,735

SUNDAY STATISTICS.

	Men.	Women.	Children.	Total.
Attendance	2,845	601	7,300	10,746
Average per Sunday	56	12	143	211

CIRCULATION.

General works	5,238
Philosophy and religion	135
Biography	315
History	888
Geography and travels	335
Social sciences	150
Science and useful arts	1,184
Fine arts	975
Literature	4,361
Fiction	1,297
Total	14,878

APPENDIX IV.

Receipts from Fines, etc., from December 1, 1909, to November 30, 1910.

Received from fines	$340.74	
books lost or injured and paid for	16.90	
reserve notices	17.35	
miscellaneous sales	17.43	
income on bank deposit	4.45	
		$396.87
Paid for expressage, books and sundries	$154.30	
Stolen	39.66	
Refunded for deposits stolen	7.00	
		200.96
Balance on hand		$195.91

APPENDIX V.

Donations to Library, 1910.

The library has received as gifts 645 volumes, 1,589 pamphlets, 1,352 magazines, and many newspapers. Of these, 532 volumes and 1,334 pamphlets were from the government.

	Vols.	Pams.	Mags.
Abbott, E. Stanley	2		
Aiken, Sarah C.		1	
Bixby, Mrs. F. J.			158

	Vols.	Pams.	Mags.
Brown, Mary E.....The Independent			
Burnham, Hon. Henry E.....	2		
Burroughs, Sherman E.....		2	
Clough, Albert L.....	1		
Coolidge, Asenath C.....	2		
Cross, David A.....	5		873
DeMeritt, J. H., M. D.....	8		
Depew, Chauncey M.....		2	
Donnelly, Mrs. C. F.....	1		
Elliott, M. F.....	4		
Fairbanks, Elsie D.....			1
Farnsworth, Edw. C.....	1		
Foster, Rabbi Solomon.....		1	
French, Mrs. E. F.....			13
Gallinger, Jacob H.....		1	
Hall, Prof. Angelo.....	1		
Hatch, Elder Osborne.....	3		
Hazeltine, Hannah B.....	1		
Hodgman, Fred L.....		1	
Johnson, P.....	1		
Libby, Mrs. George H.....			27
McAllister, George I.....			46
Mack, Isabella G.....			57
Messinger, Herbert E.....	3		
Molly Stark Chapter, D. A. R.....	30		
Moon, James H.....	1		
Newell, Louise E.....		1	
Plumer, Mrs. W. H., Subscription to Good housekeeping			
Sadler, Wilbur F., Jr.....	1		
Sanford, Willie B.....			12
Sawyer, Mrs. Fannie H.....			7
Schaeffer, Henri N.....	2		55
Shore, W. I.....	1		
Smoot, R.....		2	
Steele, Mrs. G. W.....	1		
Straw, Gertrude.....			6
Thompson, Slason	1	1	
Tolman, Mary M.....1 calendar			25
Varick, Mrs. Thos. R.....			72
Wheat, Dr. Arthur F.....	20		
Winchell, F. Mabel.....	1		
Woman's Alliance, Unitarian Church, city, Subscription to Christian register			
Woods, H. E.....		2	

Grateful acknowledgment is hereby made to the many other donors, —libraries, colleges, schools, associations, institutions, national, state and city governments, etc.,—from whom reports and various publications have been received.

APPENDIX VI.

List of Periodicals for 1911.

A. L. A. booklist.
Alpine journal.
America.
American boy.—2 copies.
American city.
American engineer and railroad journal.
American historical review.
American homes and gardens.
American journal of science.
American journal of sociology.
American Library Association. Bulletin.
American magazine.
American naturalist.
Amerika esperantisto.—Gift.
Among the deep sea fishers.
Annals of American Academy of Political and Social Science.
Annals of Iowa.—Gift.
Architects' and builders' magazine.
Argosy.
Art journal.
Athenaeum.
Atlantic monthly.
Benziger's magazine.
Berea quarterly.—Gift.
Biblical world.
Bird lore.
Blackwood's Edinburgh magazine.
Book review digest.
Bookman.
Boston Cooking School magazine.
Boston Society of Natural History. Proceedings.
Brooklyn Institute of Arts and Sciences. Museum news.—Gift.
Brown Alumni monthly.—Gift.
Bulletin of bibliography.
Business and the book-keeper.
Camera craft.

Canadian magazine.
Cassier's magazine.
Century.—2 copies.
Chambers's journal.
Chautauqua quarterly.—Gift.
Chautauquan.
Chicago banker.—Gift.
Child lore magazine.
Children's magazine.
Christian herald.—Gift.
Christian register.—Gift.
Christian Science journal.—Gift.
Christian science sentinel.—Gift.
Collier's weekly.
Concrete.—Gift.
Connoisseur.
Contemporary review.
Cornhill magazine.
Cosmopolitan.—2 copies.
Cotton.
Country life in America.
Craftsman.
Cumulative book index.
Current literature.
Dartmouth Alumni magazine.—Gift.
Das Wort.—Gift.
Delineator.—2 copies.
Dial.
Eastern and western review.—Gift.
Edinburgh review.
Education.
Educational review.
Electrical world.
Electrician and mechanic.
Elementary school teacher.
Engineering magazine.
Engineering news.
Envelope series.—Gift.
Equity.—Gift.
Etude.—2 copies.
Everybody's magazine.—2 copies.
Everyland.
Folk-lore.
Fortnightly review.
Forum.
Good housekeeping.—2 copies.—Gift.

Granite monthly.
Granite state magazine.
Gregg writer.
Grinnell review.—Gift.
Hampton's magazine.—2 copies.
Harper's bazar.
Harper's monthly.—2 copies.
Harper's weekly.
Herald of the cross.—Gift.
Hibbert journal.
Holy Cross purple.—Gift.
Home needlework magazine.
Horseless age.
House beautiful.
Illustrated London news.—Gift.
Independent.—Gift.
Index medicus.
Indian's friend.—Gift.
International studio.
Journal of American folk-lore.
Journal of American history.
Journal of political economy.
Journal of the Franklin Institute.
Ladies' home journal.
Ladies' review.—Gift.
Lancet.
Library journal.
Library work.
Life.
Life and light for woman.—Gift.
Lippincott's magazine.
Literary digest.
Little folks.
Living age.
London quarterly review.
McClure's magazine.—2 copies.
Magnificat.—2 copies.—Gift.
Manual training magazine.
Metal industry.—Gift.
Metropolitan.
Mind.
Missionary herald.—Gift.
Missionary review of the world.
Motor world.
Mt. St. Mary record.—Gift.
Munsey's magazine.—2 copies.

Musician.—2 copies.
Nation.
National geographic magazine.
National magazine.
Nature.
New England historical and genealogical register.
New England magazine.
New England shoe and leather industry.—Gift.
New Hampshire genealogical record.
New Hampshire sanitary bulletin.—Gift.
Nineteenth century and after.
North American review.
Oracle.—Gift.
Out west.
Outing.
Outlook.
Overland monthly.
Pan American union.—Gift.
Pearson's magazine.
Photo-era.
Pitman's journal.—2 copies.—Gift.
Poet lore.
Popular electricity.
Popular mechanics.
Popular science monthly.
Posselt's textile journal.
Power.
Printing art.
Protectionist.—Gift.
Public libraries.
Publishers' weekly.
Puck.
Punch.
Quarterly review.
Railway age gazette.
Readers' guide to periodical literature.
Records of the past.
Recreation.
Review of reviews.—American edition.—2 copies.
Revue des deux mondes.
St. Nicholas.—2 copies.
Saturday evening post.
Saturday review.
School review.
Science.
Scientific American.

Scientific American supplement.
Scribner's magazine.—2 copies.
Speaker.
Strand magazine.
Suburban life.
Sunday school times.
Sunset.
Survey.
Textile colorist.
Textile world record.
U. S. Patent Office. Official gazette.—Gift.
U. S. public documents. Catalogue.—Gift.
Universalist leader.—Gift.
Western monthly.—Gift.
Westminster review.
Whittlings.—Gift.
Woman's home companion.
World to-day.
World's work.—2 copies.
Youth's companion.—2 copies.

Newspapers.

Anzeiger und Post.—Gift.
Boston morning herald.
Boston Sunday herald.
Boston transcript.
Emerald.—Gift.
Manchester union.—2 copies.—Gift.
Mirror and American.
Mirror and farmer.—Gift.
New Hampshire farmer.—Gift.
New York morning sun.
New York times. Saturday issue.
New York times. Sunday book review.
Plymouth record.

TREASURER'S REPORT.

Account of Edwin F. Jones, Treasurer of the Trustees of the City Library.

1910.			Dr.
Jan. 1.	To unexpended balance of appropriation for purchase of books		$1,122.46
24.	received from F. Mabel Winchell, librarian, fines, catalogues, books lost and injured, and miscellaneous, to November 30, 1909		246.35
May 1.	appropriation, 1910, for purchase of books		2,000.00
Jan. 1.	Dean fund and accumulations,	$13,665.34	
Dec. 30.	income, 1910, on same	531.20	
			14,196.54
Jan. 1.	To Mary E. Elliot fund and accumulations	$4,033.78	
Dec. 30.	income, 1910, on same	136.93	
			4,170.71
Jan. 1.	Eliza A. Eaton fund and accumulations	$4,116.35	
Dec. 30.	income, 1910, on same	131.80	
			4,248.15
Dec. 29.	received from F. Mabel Winchell, librarian, fines, catalogues, books lost and injured, and miscellaneous, to November 30, 1910		195.91
			$26,180.12

1910.			Cr.
By paid for books:			
Feb. 17.	G. E. Stechert & Co.	$1.73	
	Temple & Farrington Co. (Dean fund)	6.75	
	Temple & Farrington Co. (Eaton fund)	3.50	
	H. Goldberger (Elliot fund)	14.90	
	H. Goldberger	19.65	
	Mrs. A. M. Boire	20.00	
	James Clarke & Co.	17.10	
	Allan E. Herrick	54.92	
	Rumford Press	1.80	

Feb. 17.	Howard M. Cook	$1.50
	Robert L. Manning	1.80
	William T. King	1.50
24.	T. P. W. Rogers (Dean fund)	42.24
	T. P. W. Rogers	3.60
Mar. 21.	G. E. Stechert & Co	79.07
	Boston Book Co	72.50
	Harper & Bros	23.75
	H. L. Huntting Co. (Dean fund)	15.00
	H. L. Huntting Co	15.45
	Caroline L. Himebaugh	23.85
	W. P. Goodman (Dean fund)	50.81
	W. P. Goodman (Eaton fund)	6.30
	W. P. Goodman	293.23
Apr. 21.	T. P. W. Rogers (Dean fund)	9.00
	T. P. W. Rogers	51.15
May 4.	W. P. Goodman (Dean fund)	4.28
	W. P. Goodman	363.67
	Temple & Farrington Co. (Dean fund)	3.34
	Boston Book Co	5.50
	W. O. Greenough & Co	3.00
	Sampson & Murdock Co	6.00
	Zella Allen Dixson	3.50
June 10.	T. P. W. Rogers (Dean fund)	28.00
	T. P. W. Rogers	50.78
	W. P. Goodman	58.54
	W. P. Goodman (Dean fund)	16.00
	Robert W. Lull	21.75
	H. R. Huntting Co	19.90
	Thomson-Pitt Book Co	2.50
	Caroline L. Himebaugh	8.45
	W. M. Gibbs	2.34
	C. E. Goodspeed	15.75
	Boston Book Co	2.62
	Publishers' Weekly	9.50
	A. J. Huston	2.25
Aug. 10.	W. P. Goodman (Dean fund)	154.50
	W. P. Goodman	77.44
	W. P. Goodman (Eaton fund)	6.75
	Old Corner Bookstore (Elliot fund)	52.71
	Walter S. Houghton	4.70
	Benziger Bros.	3.50
	Edward H. Currier	50.00
	C. A. Nichols Co	5.00

Aug. 10.	H. R. Huntting Co. (Dean fund)...	$9.00	
	Theo E. Schulte.....	1.00	
	Sampson & Murdock Co.....	6.00	
	T. P. W. Rogers.....	232.00	
Sept. 9.	W. P. Goodman.....	468.14	
	W. P. Goodman (Dean fund).....	4.50	
	W. P. Goodman (Eaton fund).....	93.20	
	Romeyn B. Hough (Dean fund)....	4.40	
Oct. 20.	T. P. W. Rogers (Dean fund).....	9.00	
	T. P. W. Rogers.....	9.65	
	Temple & Farrington Co. (Eaton fund)	3.50	
	J. B. Wallace.....	6.00	
	N. J. Bartlett & Co.....	4.50	
	W. P. Goodman.....	114.14	
	G. E. Stechert & Co.....	144.43	
Dec. 1.	H. Goldberger (Elliot fund).....	15.24	
	Caroline L. Himebaugh (Dean fund)	8.40	
	F. Mabel Winchell (Dean fund)...	2.80	
	W. P. Goodman.....	448.42	
	W. P. Goodman (Dean fund).....	156.45	
	W. P. Goodman (Eaton fund).....	19.35	
	Old Corner Bookstore (Elliot fund)	19.40	
			$3,592.89
	By Dean fund and accumulations:		
Dec. 31.	Deposit book No. 4078 Guaranty Savings Bank	$105.00	
	Deposit book No. 4557 Guaranty Savings Bank	16.42	
	Deposit book No. 94654 Amoskeag Savings Bank	2,128.51	
	Deposit book No. 39195 Merrimack River Savings Bank.....	2,040.53	
	Deposit book No. 6421 Mechanics Savings Bank	2,960.03	
	Deposit book No. 16445 Manchester Savings Bank	3,216.77	
	Deposit book No. 75958 Manchester Savings Bank	3,243.45	
			$13,710.71
	By Mary E. Elliot fund and accumulations:		
Dec. 31.	Deposit book No. 2009 Guaranty Savings Bank	$100.00	
	Deposit book No. 2010 Guaranty Savings Bank	78.94	

Dec. 31.	Deposit book No. 104 Hillsborough County Savings Bank.....	$1,745.65	
	Deposit book No. 6423 Mechanics Savings Bank	2,143.87	
			$4,068.46
	By Eliza A. Eaton fund and accumulations:		
Dec. 31.	Deposit book No. 4327 Guaranty Savings Bank	$150.00	
	Deposit book No. 4328 Guaranty Savings Bank	35.79	
	Deposit book No. 39196 Merrimack River Savings Bank.....	1,382.68	
	Deposit book No. 106 Hillsborough County Savings Bank.....	2,547.08	
			4,115.55
Dec. 31.	By balance of appropriation for purchase of books, 1910, deposited in Merchants National Bank		692.51
			$26,180.12

We have examined the above account of Edwin F. Jones, treasurer of the trustees of the city library, and find the same correctly cast and properly vouched.

EUGENE E. REED,
WALTER M. PARKER,
Committee on Finance of the Trustees of City Library.

I have examined the above account of Edwin F. Jones, treasurer of the trustees of the city library, and find the same correctly cast and properly vouched.

JAMES E. DODGE,
City Auditor.

REPORT

OF THE

CHIEF ENGINEER, FIRE DEPARTMENT.

REPORT OF THE CHIEF ENGINEER OF THE FIRE DEPARTMENT.

CHIEF ENGINEER'S OFFICE.

CENTRAL STATION, NO. 8 VINE STREET.

MANCHESTER, N. H., December 31, 1910.

To the Honorable Board of Mayor and Aldermen of the City of Manchester, N. H.:

In compliance with law and ordinances of the city, I herewith submit my thirty-second annual report of the fire department, it being the sixty-fifth of this city.

The department responded to one hundred and eighteen (118) bell alarms, and three hundred and eight (308) still alarms, making a total of four hundred and twenty-six (426), an excess of seventy-one (71) over the previous year. One (1) was a second, and three (3) were third or general alarms. One hundred and two (102) have been chimney fires, ninety-two (92) brush or grass fires, fourteen (14) false alarms, five (5) out-of-town (2—2—2) calls, six (6) city dump, fifty-six (56) in stone or brick buildings, two hundred and forty-seven (247) in wooden buildings.

At fires and alarms which have occurred during the year, the department have laid one hundred and sixty-three thousand one hundred (163,100) feet of hose, "thrown" six thousand fifty-eight (6,058) feet of ladders, used one hundred and thirty-three (133) chemical tanks, and three hundred and two (302) pony extinguishers.

The most serious fire of the year was the burning of the Odd Fellows' block a second time (the first being October 20, 1908), on Fast Day, April 28, 1910, for which a third or general alarm was given. Mr. George E. Putney, janitor of the block, and his wife, lost their lives. The fire started in the kitchen of E. R. Barry's restaurant, evidently from fat boiling over while the attendant was in another part of the building, and the fire gained much headway before being discovered, and quickly ascended the elevator well and stairway to the top floor where Mr. and Mrs. Putney roomed, thus cutting off all chances of escape. At this fire, assistance was rendered by a steamer and men from the Concord fire department, and the Coolidge engine from the Amoskeag mills. There were twenty-one lines (14,000 feet) of hose laid.

A third or general alarm was given from box 21, August 7, for a fire in a barn belonging to the estate of Nason Hall, rear of Nos. 29-31 Laurel street, in close proximity to several wooden tenement blocks of an inflammable construction.

October 4 a third alarm was given from box 7, for a stable, garage and tenement property, Nos. 145 to 163 Hanover street. Owing to the hazardous surroundings, and a heavy wind blowing, the three alarms were sounded within the space of nine minutes. At this fire nineteen lines (13,100 feet) of hose were laid.

A second alarm from box 217, May 3, was needless, and was pulled by "an outsider" for a barn on the Cilley road.

In cases where fires have occurred I have endeavored to get as correct figures as possible of the value of the property, the amount of insurance carried, the damage (or loss) sustained, and the amount of insurance paid, and the following is the summary:

Value of buildings where losses have occurred		$455,680.00
Value of contents where losses have occurred		230,181.25
Total value		$685,861.25
Insurance carried on buildings		$237,275.00
Insurance carried on contents		148,630.80
Total insurance carried		$385,905.80
Damage to buildings	$85,604.95	
Damage to contents	55,183.57	
		$140,788.52
Insurance paid on buildings	$79,181.35	
Insurance paid on contents	41,084.21	
		120,265.56
Net loss over and above insurance		$20,522.96

THE MANUAL FORCE

Of the department has been changed by reducing the "call" force twenty-five (25), and increasing the permanent force nine (9) men, so that it now consists of fifty-five (55) permanent, and one hundred and thirteen (113) "call," a total of one hundred and sixty-eight (168) men.

All companies now have permanent captains, and the men are assigned as follows:

	Permanent	Call	Total
1 chief engineer	1		1
4 assistant engineers		4	4
Engine Company No. 1	4	7	11
Engine Company No. 2	4	7	11
Engine and Ladder Company No. 3	5	15	20
Engine Company No. 4	4	7	11
Engine and Ladder Company No. 5	5	15	20
Engine and Ladder Company No. 6	5	15	20
Engine Company No. 7	4	7	11
Hose Company No. 1	2	6	8
Hose Company No. 2	2	6	8
Hose Company No. 3	2	6	8
Combination No. 2	2	6	8
Aërial truck No. 1	3	9	12
Chemical No. 1	3	2	5
Auto-Comb. Chemical and Hose Wagon	8		8
Spare (Sub.) Driver	1		1
Driver Supply Wagon		1	1
	55	113	168

THE APPARATUS.

An automobile combination chemical and hose wagon, to be used as a "flying squadron," was put into service October 1 with eight permanent men, and has proved a very valuable addition to our fighting force. Its ability to reach the scene of fire quickly, with men "fresh for the fray," has proved its efficiency.

The chemical engine which has done excellent service since April 1, 1886, has been thoroughly overhauled, equipped with new axles and wheels, with rubber tires and band brakes, making it in many respects even better than when new.

The apparatus consists of 7 steam fire engines, 10 hose wagons (two combination chemicals, one with ladders attached), 4 hook and ladder trucks (one an eighty-five foot aërial, carrying other ladders), 1 chemical engine, with two sixty-gallon tanks, 1 automobile combination wagon, with one thirty-five-gallon tank, 9 exercise wagons, 1 supply wagon, 2 spare one-horse hose carriages, 1 fire-alarm telegraph repair wagon, 1 chief's wagon, located as follows:

Central Station: Two first size Amoskeag steamers, each with one-horse hose wagon attached, 1 three-horse hitch, 85-feet aërial truck, 1 automobile combination chemical and hose wagon, 1 two-horse hose wagon, 1 double (sixty gallons) tank chemical engine, 1 supply wagon, 1 exercise wagon, 1 chief's wagon, 1 repair wagon for fire-alarm telegraph.

North Main-Street Station: One second size Amoskeag steamer (three-horse hitch), 1 two-horse combination chemical and hose wagon, 1 old U tank steamer in storage, 1 exercise wagon.

McGregorville Station: One second size Amoskeag steamer, 1 two-horse hose wagon, 1 two-horse hook and ladder truck, 1 exercise wagon.

Lake Avenue Station: One first size Amoskeag steamer, with three-horse hitch, 1 two-horse hose wagon, 1 hook and ladder truck (three-horse hitch), 1 exercise wagon, 1 one-horse hose carriage (in storage).

Webster-Street Station: One third size Amoskeag steamer, 1 two-horse hose wagon, 1 two-horse hook and ladder truck, 1 exercise wagon.

Maple-Street Station: One two-horse hose wagon, 1 exercise wagon.

South Elm-Street Station: One two-horse combination hose wagon, carrying ladders, 1 exercise wagon.

Wilson Hill Station: One two-horse combination chemical and hose wagon, 1 exercise wagon, 1 one-horse hose carriage (in storage).

Somerville-Street Station: One second size Amoskeag steamer (with three-horse hitch), 1 two-horse hose wagon, 1 exercise wagon.

In addition to the foregoing there is 1 hose carriage in Amoskeag on front street, 1 hose carriage corner Massabesic street and Mammoth road (both volunteer companies), 1 hose carriage, Devonshire Mills, Goffe's Falls, 5 sleds used as hosesleds in the winter.

THE BUILDINGS.

The south end of the Central station has been remodeled quite extensively, taking the room formerly used for the fire-alarm telegraph wagon and storeroom and refitted for the "Flying Squadron," making very convenient quarters for the auto-combination wagon; although rather cramped sleeping quarters for the men, but better accommodations are "promised" in our new station (?).

The roof over the quarters of the aërial truck should be rebuilt in such a manner as to carry off the water in better shape. It has been leaky for several years, notwithstanding its many patchings, and will continue so until rebuilt.

I have for several years called for a box-stall at Engine and Ladder No. 5, and hope to see a place arranged for the better care of sick horses at this station, early the coming season.

The other buildings used by the department have received only ordinary repairs.

A new and larger heating boiler should be installed at the Central station. The present boiler has been in service *over thirty years*, and, aside from being old, is much too small for the service required of it.

THE HORSES.

There are fifty-five (55) horses in use in the department at the present time, and with but few exceptions are well adapted to the business. Four or five might be changed "for the good of the service," and will, in all probability, as we find suitable ones can be found to replace them.

THE FIRE-ALARM TELEGRAPH.

Some agitation has been had regarding placing the apparatus of this very important branch of the fire department in a fireproof building. Such a change cannot be made too quickly for the welfare of the city, and should receive your early and careful attention; as well as the placing the overhead wires of our business section under ground.

Two additional boxes have been added to the system the present year. April 11, box 542, at corner of Second and Hancock streets, near the Crafts & Green shoe shop; and December 10, box 211, on Taylor street near proposed extension of Holly avenue.

CASUALTIES.

February 13. Frank P. Cleveland of Hose No. 3, while responding to an alarm from box 217, sprained ankle. Off duty nine days.

April 8. At Odd Fellows' block fire, box 7, J. F. Kearns of Hose 1 injured arch of foot and sprained ankle. Off duty sixty-six days.

Walter Morse, engineer of Engine No. 4, at same fire burned his hand, resulting in blood poisoning. Off duty twelve days.

October 1. While working about the engine house Captain Jeremiah Lane of Engine No. 2 fell from a stepladder, injuring his leg, necessitating his conveyance to a hospital, where an operation was performed. Off duty seventy days.

October 27. Thomas Smith of Hose No. 2, while alighting from hose wagon at an alarm from box 115, sprained ankle. Off duty seven days.

October 30. James S. Long of Engine No. 7, while responding to an alarm from box 4, sprained knee. Off duty fifteen days.

November 20. Fred S. Morrill, engineer of Engine No. 7, sprained his ankle, while at an alarm from box 63. Off duty twenty-one days.

November 28. Alvin C. Drescher of Engine No. 2, while working at an alarm of fire from box 323, sprained ankle. Off duty ten days.

THE FIREMEN'S RELIEF ASSOCIATION.

For the donations from the following liberal citizens I desire, in behalf of the members of this department, to return their grateful acknowledgments. The financial condition is as follows:

Balance on hand, annual meeting, February 14, 1910....	$10,046.40
Received for membership dues.....	208.00
interest on deposits.....	349.09
Donations:	
James A. Scully	10.00
"A friend"	12.00
Jeremiah Hodge	30.00
Samuel J. LaFlamme	10.00
John P. Cronan	25.00
Mrs. Georgiana Ray	25.00
George H. Chandler	25.00
James W. Hill Co.....	25.00
Albert Ruemely	5.00
"A friend"	10.00
The Bell estate	50.00
The Barton Co.....	25.00
"A friend"	10.00
Benjamin E. Thompson	5.00
David A. Taggart	25.00
Freeman Higgins and F. B. Dennett.....	20.00
	$10,915.49

Cr.

Paid Lyman W. Piper, benefit.....	$9.00
Thos. W. Lane, Jr., benefit and doctor's bill.....	322.14
Frank P. Cleveland, benefit and doctor's bill.....	17.00
Walter Morse, benefit and doctor's bill.....	27.00
J. F. Kearns, benefit and doctor's bill.....	79.50
Capt. Jeremiah Lane, benefit, doctor and hospital bills	227.90
James S. Long, benefit.....	15.00
Fred S. Morrill, benefit and doctor's bill.....	22.50
Thomas Smith, benefit and doctor's bill.....	9.00
Alvin C. Drescher, benefit and doctor's bill.....	17.00
John H. McCabe (old account) doctor's bill.....	2.00
John J. Lyons (old account), doctor's bill.....	1.00
Mrs. Walter Clarkson, funeral benefit.....	50.00
Oscar P. Stone, secretary.....	25.00
	$824.04
Leaving a balance to new account.....	10,091.45
	$10,915.59

CONCLUSION.

I would again renew my recommendations for a light "city truck" for the Somerville station to supply the needs of this rapidly-growing section of manufacturing and residential buildings.

Would recommend a Dahill pneumatic ladder hoist for the aërial truck, with water tower attachment, and substituting truss ladders for the heavy ones now on said truck.

The practical results already derived by the use of our "Flying Squadron" for the three months it has been in service proves conclusively its usefulness, and the reduction in insurance rates since its establishment, makes it a "money saver" to our property owners, and I would earnestly recommend *not a duplicate*, but one on similar lines, capable of carrying more two and one half inch hose, and two chemical tanks to take the place of the two-horse hose wagon on the West Side, at Engine Co. No. 2.

I desire to return my thanks to such members of the city councils, who, by their kind words, friendly acts, and liberal appropriations, have aided in maintaining the high efficiency of this department; to the police force for their prompt and willing assistance, and to each and every member of this department for their willing and zealous support in the performance of their many duties as firemen.

Respectfully submitted,

THOMAS W. LANE,

Chief of Fire Department.

Number and Location of Fire Alarm Boxes and Keys.

A KEY IS ATTACHED TO EACH BOX (with few exceptions), and can be had by breaking the glass.

No. 3. American Locomotive Company's lower shop. Keys at offices of gas-works, county jail, Manchester Coal & Ice Company's sheds, and the Hutchinson shop building.

No. 4. Corner Spruce and Elm streets. Keys at Hotel Milford, L. B. Bodwell & Co.'s, Palmer & Garmon's, street railway stables, and office of Blodgett & Young's block.

No. 5. Corner of Merrimack and Elm streets. Keys at Tebbetts & Co.'s and Hanscom's drug stores, Manchester House, and J. W. Hill Company's store.

No. 6. City hall. Keys at Holland's and Weeks' drug stores, Riddle block office, and residence of J. L. Brock, 21 Amoskeag Corporation.

No. 7. Police station, corner of Manchester and Chestnut streets. Keys at chief of police's office and with all police officers.

No. 8. Corner Elm and Hollis streets. Keys at Dante Smith's and Leblanc & Provencher's drug stores, and Partridge Brothers' grain store.

No. 9. Corner of Elm and Webster streets. Keys at residence of Mrs. H. D. Corliss, J. Freeman Clough, and station of Engine and Ladder No. 5.

No. 12. Corner of North and Pine streets. Keys at residence of Mrs. Walter A. Green, and O. D. Knox.

No. 13. Corner of Brook and Chestnut streets. Keys at residence of Welcome Jencks and Mrs. Lewis Simons, No. 1 Senter's block, and Steele's grocery store.

No. 14. Corner of Prospect and Union streets. Keys at residences of Mrs. W. Ireland, Mrs. George W. Riddle, D. J. Adams, and Mrs. Thomas Morgan.

No. 15. Corner of Pearl and Chestnut streets. Keys at residences of Henry W. Shannon and J. Fred Chalker.

No. 16. Corner of Lowell and Union streets. Keys at residences of Rt. Rev. Bishop Guertin and R. H. Hassam.

No. 17. Corner of Amherst and Beech streets. Keys at residences of Miss Mary A. Watts and Michael Connor.

No. 18. Corner of Manchester and Maple streets. Keys at residences of the late H. E. Stevens, A. N. Baker, and William Perkins' estate.

No. 21. Corner of Merrimack and Pine streets. Keys at A. D. Smith's drug store, J. McKeon's grocery store, A. L. Walker's office, and residence of James F. Gillis.

No. 23. Corner of Central and Beech streets. Keys at the residence of the late Eben T. James.

No. 24. Engine and Ladder Company No. 3 house, corner of Massabesic street and Lake avenue. Keys at the residence of D. M. Goodwin and station of Engine and Ladder No. 3.

No. 25. Corner of Hanover and Ashland streets. Keys at residences of George F. Lincoln, Mrs. A. D. Gooden, and James R. Straw.

No. 26. Corner of Bridge and Russell streets. Keys at McCrillis' carriage shop.

No. 27. Corner of Belmont and Amherst streets. Keys at residences of E. S. Fletcher, Dr. Walter T. Crosby, and Mrs. William Carr.

No. 28. Corner of Merrimack and Beacon streets. Keys at residences of A. L. Garmon and H. B. Fairbanks.

No. 29. Corner of Hall and East High streets.

No. 31. Corner of Canal and Hollis streets. American Locomotive Company's shop. Keys at office, Amory Mills, Langdon Mills watchrooms.

No. 32. Langdon Mills block, corner of Canal and Brook streets. Keys at the Amoskeag Paper Company's mill, Langdon watchroom, and Electric Light station.

No. 34. Jefferson Mill. Keys at watchroom and pumping station.

No. 35. Stark Mills. Keys at watchroom.

No. 36. Amory Mills. Keys at watchroom.

No. 39. Hillsborough county jail. Keys at office.

No. 41. Amoskeag Mills. Keys at watchroom.

No. 42. Manchester Mills. Keys at watchroom.

No. 43. The Olzendam Mill. Keys at watchroom.

No. 45. The S. C. Forsaith shops. Keys at freight depot and office in building.

No. 51. Corner of Walker and Second streets. Keys at the stores of F. Riedel and Henry Weber.

No. 52. Granite Square, corner Main street, West Manchester. Keys at Merrimack Hotel, Wiggin-Young grocery, and Engine No. 2.

No. 53. The West Side Lumber Co.'s steam mill. Keys at mill office, Dewey's tenement block, and Ranno's harness store.

No. 54. Corner of A and South Main streets. Keys at residences of Lord sisters, Neil Fullerton, and grocery store opposite box.

No. 56. Mast street, opposite Baldwin's bobbin shop. Keys at Baldwin's office and residences of J. C. Smith, E. P. Littlefield, and with watchman at works.

No. 57. Corner Mast road and D street. Keys at residence of C. H. George and F. W. Towle's store.

No. 61. Hose No. 3, South Elm street. Keys at Hose house.

No. 62. Manchester Wool & Leather Company's, Brown avenue. Keys at tannery, the Edwin Kennedy house, and Hose 3.

No. 63. Corner Beech street and Titus avenue. Keys at residences of L. E. Carswell and C. L. Wenberg. (No key on box.)

No. 64. Corner Pine and Willow streets. Keys Cohas Shoe factory, the Lincoln House, and Stevens Bros.' Marble Works. (No key on box.)

No. 71. Corner of Cedar and Pine streets. Keys at residences of T. Collins, Daniel Sheehan, Thomas J. Smith, Simon McCarthy.

No. 72. Corner of Lake avenue and Lincoln street. Keys at residences of the late Austin Jenkins and James Briggs.

No. 73. Corner of Beech and Cedar streets. Keys at residences of Rev. J. A. Chevalier and Timothy Carr.

No. 81. Central Fire station, Vine street. Keys at all the engine rooms.

No. 82. Old City Hotel, corner Lowell and Church streets. Keys Lowell-street stable and Eames Bros.' drug store.

No. 91. Corner Webster and Beech streets. Keys at Children's Home and residences of George E. McClintock, Solomon Johnson, M. E. Sanctuary. (No key on box.)

No. 92. Corner Union and Clarke streets. Keys at residences of Mrs. Julia B. Bradford and E. H. Nutting.

No. 93. Corner of Elm and Carpenter streets. Keys at residences of A. H. Weston and Dr. George D. Towne.

No. 112. Corner of Sagamore and Union streets. Keys at residences of W. A. Clarkson, M. D. Johnson, and Charles F. Chase.

No. 113. Corner of Oak and Prospect streets. Keys at residences of Mrs. William B. Abbott, W. N. Johnson, and E. M. Topliff.

No. 114. Corner of Pearl and Ash streets. Keys at residences of John J. Bennett and Mrs. Harriet L. Healey and Ash-street schoolhouse.

No. 115. Corner of Blodget and Ash streets. Keys at residences of James A. Rogers and Cyren Bixby.

No. 116. Corner Salmon and Ash streets. Keys at Masonic Home.

No. 117. Corner of Sagamore and Russell streets.

No. 211. Corner of Taylor street and Holly avenue. Keys at residences of T. B. Stevens, 109 Taylor street; W. O. Corbin, 443 Holly avenue, and A. J. Prescott, 502 Holly avenue. (No key on box.)

No. 212. Shoe shop, Hallsville. Keys at the office of the shoe factory and residences of Charles C. Chase, G. W. Dearborn, M. V. B. Garland, and the Walter Cody block.

No. 213. Sash and blind factory. South Beech street, junction of Portsmouth railroad. Keys at offices of Derryfield Sash & Blind Company.

No. 214. Elliot silk mill, corner of Wilson and Valley streets. Keys at office and watchroom of mill.

No. 215. Hoyt & Co.'s shoe shop, corner of Lincoln and Silver streets. Keys at offices of shoe shop and Kimball Carriage Company and workshop opposite.

No. 216. Jewett and Somerville streets. Keys at residences of G. H. Hill, 140 Jewett street, and W. B. Brown, 128 Jewett street.

No. 217. Corner Candia road and Massabesic street. Keys at residences of L. M. Streeter, William Gadbois, and Charles P. Still.

No. 218. Corner of Somerville and Hall streets. Keys at residences of Mrs. George Hall and George Kay.

No. 219. Eaton Heights shoe shop, Page street. Keys at shoe shop office and residences of Charles A. Merrill, John P. Young, and Joseph W. Rand. (No key on box.)

No. 224. Corner of Belmont and Grove streets. Keys at residences of John A. Adams, Joseph Quirin, and Mrs. H. G. Walker.

No. 241. Lake avenue hill. Key at residence of Harry L. Davis.

No. 242. Merrimack and Wilson streets. Keys at Capt. C. R. Merrill's and Engine and Ladder Company No. 3.

No. 243. Corner Candia road and Sherburne street. Keys at residences of Fred L. Watts, Alex Oliver, Andrew J. Murray, and Mrs. S. L. Cummings. (No key on box.)

No. 261. Pearl-street grammar school. Keys at schoolroom and residences of C. E. Rose, S. W. Bascom, and Charles W. Cheney.

No. 263. Corner Bridge street and Mammoth road. Keys at residences of Mrs. Hiram Turner, Andrew J. Johnson, A. D. Sherer, Harvey T. Corey, and city farm. (No key on box.)

No. 312. Corner of Putnam, Main, and McGregor streets. Keys at residences of James Spence (309 Main street), Thomas Bolton, and gate No. 11 mill.

No. 313. Corner of Amory and Main streets. Keys at residences of Allen Dean and Lawrence M. Connor, Potvin's drug store, Miville & Co.'s drug store, gate of No. 11 mill, and station of Engine and Ladder No. 6.

No. 314. Manchester Stocking Co., 'Skeag. Keys at office and Riverside Hose House.

No. 315. Old Brick store, 'Skeag. Keys at Riverside Hose House and D. Jameson's residence.

No. 321. Corner of Notre Dame avenue and Wayne street. Keys at Holy Angels convent, the Brothers' school, and residences of E. H. Doherty, and the parish priest.

No. 323. Corner of Putnam and Bartlett streets. Keys at P. J. Archambeault's bakery and residence of Mitchell Barry.

No. 324. Amory and Laval streets.

No. 325. Kelly and Cartier streets.

No. 511. Corner of Douglas and Green streets. Keys at residences of Amelia Davis, William A. Tufts and James Kearns.

No. 512. Corner of Notre Dame avenue and Adams street. West Side.

No. 513. Corner of Milford and Carroll streets. Keys at residences of J. W. Abell, James Ward, and Mrs. Elizabeth Ward.

No. 521. Corner Parker and Winter streets.

No. 541. Corner of Boynton and Allen streets. Keys at residences of Herbert F. Dow, Patrick J. Connor, Charles Tinker, and Benjamin J. Mack.

No. 542. Corner of Second and West Hancock street. Key at office of the Crafts shoe shop.

No. 611. Corner of Hancock street and Boston & Maine Railroad. Keys at offices of True W. Jones' Brewery and Manchester Slaughtering and Rendering Works.

No. 711. Corner of Union and Grove streets.

No. 911. Corner of Union and Trenton streets. Keys at residences of the late Charles R. Hodge, C. S. Boynton, Mrs. William R. Varick, and Bixby Bros.' greenhouse. (No key on box.)

Also keys will be found in the hands of all regular police.

The true time will be given at precisely 12.30 P. M. from Charles A. Trefethen's jewelry store, and will be denoted by one stroke of the fire bells.

Fire Department Telephone Calls.

Chemical Engine, Central Station	94
Engine No. 2	1481
Engine and Ladder No. 3	1485
Engine and Ladder No. 5	1483
Engine and Ladder No. 6	1482
Engine No. 7	373
Hose No. 2	1484
Hose No. 3	1486
Combination No. 2	1487
Chief Engineer Lane's office	94
Chief Engineer Lane's house	1480
Deputy Chief Provost's store	1342
Deputy Chief Provost's house	531—2
Deputy Chief Fitzsimmons' house	1359—1
Deputy Chief Hammond's house	814—2
Deputy Chief Merrill's house	517—1
C. H. French, superintendent fire-alarm	1383—1

Instructions to Keyholders and Citizens.

1. Upon the discovery of a fire, notice should be immediately communicated to the nearest alarm box, the key of which is in a circular box attached to the right side of the fire-alarm box. Keys are also in the hands of all regular police, and generally of persons at the corner or nearest house.

2. Keyholders and others, upon the discovery of a fire, or positive information of a fire, will unlock the box, pull down the hook once as far as it will go (without jerking), and then let go. Shut the door, but do not try to remove the key, as it is locked in by a trap lock, and can only be removed with a release key, which is carried by each of the engineers, and they will, as soon as convenient, release and return it.

3. All persons giving fire alarms are requested to remain by the box a moment, and if no clicking is heard in the box, pull again; if you still hear no clicking, go to the next nearest box and give an alarm from that. DON'T GIVE A SECOND ALARM without instructions from an engineer, or officer in charge of the fire.

4. Never signal for fire seen at a distance. Never touch the box except to give an alarm of fire. Give an alarm for no other cause than actual fire. DON'T GIVE AN ALARM FOR A CHIMNEY FIRE.

5. Never let the keys go out of your possession unless called for by the chief engineer. *If you change your residence or place of business, where the keys are kept, return the keys to the same officer.*

6. **Owners and occupants of buildings are requested to inform themselves of the location of alarm boxes near their property; also all places where the keys are kept. Be sure the alarm is promptly and properly given.**

7. Alarms will be sounded upon all the fire-bells in the city, and the number of the box will be given thus: Box 6, six blows, 2½ seconds apart, repeated three times. Box 212, two blows, pause of 6¼ seconds, one blow, same pause, and two blows, 2—1—2, repeated three times.

8. The engineers reserve the right to give one stroke of the bells at any time; and in case of testing the boxes, each test will be preceded by one stroke of the bells.

SPECIAL CALLS ON FIRE ALARM.

When more apparatus is wanted, without giving second and third alarms the following special calls will be given:

2—1 for Engine 1.
2—2 for Engine 2.
2—3 for Engine 3.
2—4 for Engine 4.
2—5 for Engine 5.
2—6 for Engine 6.
2—7 for Engine 7.
1—1—1 for Aërial Truck.
3—3 for Truck 3.
3—5 for Truck 5.
3—6 for Truck 6.
4—1 for Hose 1.
4—2 for Hose 2.
4—3 for Hose 3.
4—4 for Combination 2.

Companies answering "special calls" will wait thirty seconds before leaving quarters, to prevent mistakes.

THIRD ALARM.

On THIRD ALARM all apparatus will respond.

GENERAL ALARM.

In the event of a fire of such magnitude that second and third alarms are needed, a general alarm will be given by striking TEN BLOWS, in which case all companies will respond.

OUT-OF-TOWN CALL.

For a fire out of the city or brush fire, 2—2—2, all companies will assemble at their respective quarters and await orders.

ALL OUT SIGNAL.

Two blows on the bells, which dismisses all members at company quarters.

The signal will be given after companies working at a fire have returned to quarters, "made up," and are ready to respond to another alarm.

TEST SIGNAL.

One blow at 12.30 noon.

SCHOOL SIGNALS.

1—1, with fifteen seconds between blows, closes primary and middle schools.

2—2, with fifteen seconds between the 2's, closes all the schools.

Time for giving same, 7.30 A. M., 11.30 A. M., or 1.15 P. M.

MILITARY CALL.

12 blows twice.

Engine Whistle Signals.

The following code of signals will be observed by members of the department:

For CAPTAIN, or officer in command of company, one long whistle.

For COAL, two long whistles followed by as many short whistles as indicate the number of the engine.

To LIMBER UP, three long whistles.

Entering a Building With Line of Hose.

All steamer and hose companies are instructed not to enter any building with a line of hose unless the stop nozzle is closed, except in cases where they can see the fire, and when their streams will reach it without damage to other property, due care being exercised as to whether their services are needed.

Extra care should be exercised by hosemen of steamer companies in using "shut-off" nozzles, shutting off to be slowly and gradually when steamer is working.

Absent from City or Station.

No permanent member shall leave his station to visit any section of the city without permission of the chief or an assistant engineer (or the permanent captain in charge of his company), nor leave the city, or be granted leave of absence, without notifying the chief engineer and procuring a substitute to his acceptance, and the substitute shall be on duty before the applicant leaves his post, except on his regular "days off."

Any call member expecting to be absent from the city shall notify the captain of his company, and before leaving the city shall procure a substitute satisfactory to said captain.

Substitutes running for and answering the names of any call man shall be entitled to the same pay, *pro rata*, as the call man for whom they answer for the time they substitute, and the clerks of the several companies shall keep said substitutes' time and notify the regular call man of the amounts due from him and pay said amount to the substitute performing said service.

Any member of the department not complying with the above rules shall be liable to suspension or expulsion from the department.

The hour of leaving will be 7 o'clock A. M., and members will not leave their stations until the arrival of the spare driver. They must report *promptly at 7 o'clock* the following morning for duty.

Those whose breakfast hour is 6 o'clock will remain at station until 7 o'clock on the dates of their "days off."

Should a fire be in progress at the hour of changes, men will remain on duty until the "all out" is given, except permission is obtained of the chief, or engineer in charge of fire, to retire. Should a "general" or third alarm be rung while members are in town, they will be expected to report for duty on their days off.

List of Fires and Alarms Responded to During 1910. Loss and Insurance.

STILL. Saturday, January 1, 6.10 A. M. Four-story brick building, Lake avenue, corner of Hall street; owned by Oak Hill lodge of Odd Fellows, and occupied by them and others. Fire was confined to shavings and rubbish in the basement about the furnace. Members of Engine and Ladder No. 3 responded. Used two pony extinguishers.

STILL. Saturday, January 1, 8.12 A. M. Four-story brick building, No. 1103 Elm street, owned by Freeman Higgins and Dr. A. B. Story heirs, and occupied by Thomas J. Foley. Cause, stove explosion on account of frozen water heater. Chemical engine responded. Used one chemical tank.

BOX 7. Saturday, January 1, 8.18 A. M. Two-story wooden building, No. 195 Manchester street, owned by Levi Dodge, and occupied by Napoleon J. Jacques as a blacksmith shop. Cause, sparks from the forge or stove. Box pulled by citizen. Companies responding: Engines 1, 3, 4, Chemical, Hose 1, and Trucks 1 and 3. Value of building, $500; damage, $125; insurance, $300. Insurance paid, $100. No damage to contents.

STILL. Saturday, January 1, 10.35 A. M. Rekindling of the above fire, in partition. Chemical engine responded. Used one pony extinguisher.

STILL. Saturday, January 1, 7.50 P. M. Two-and-one-half-story dwelling-house, No. 63 Harrison street, owned by heirs of Thomas Wilson, and occupied by George P. Wallace. Members of Chemical engine responded. Cause, hot furnace. No services required.

Box 213. Monday, January 2, 10.08 A. M. One-story brick boiler-room, connected with the Derryfield Company's door, sash and blind factory, 39-59 South Beech street, C. & P. railroad crossing. Cause, plug blew out of boiler. No fire. Box pulled by citizen. Companies responding, Engines 3, 7. Chemical, Hose 2, 3, Truck 3.

STILL. Tuesday, January 4, 11.40 A. M. Chimney fire in six-tenement wooden block, No. 230 East High street, owned by Mrs. John H. Riedell, and occupied by F. X. Hastings and others. Members of Hose 2 responded. Used two pony extinguishers.

Box 73. Tuesday, January 4, 7.00 P. M. Chimney fire in three-story tenement block, No. 182 East Spruce street, owned by Eugene G. Flanders and occupied by Peter Tousignant. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 2, 3, Truck 3.

Box 5. Wednesday, January 5, 3.40 A. M. Large barn, in rear of No. 525 Elm street, and 11 Cedar street, owned by Edward M. Slayton, and occupied by D. Cassis, who sublets to two others. Three horses were destroyed. Cause unknown. Box pulled by Officer Rourke. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Trucks 1, 3. Value of building, $1,000; damage, $1,000; insurance, $800; insurance paid, $800; value of contents, $600; damage, $600; no insurance.

STILL. Wednesday, January 5, 9.40 P. M. Chimney fire in cottage house, No. 476 Hall street, owned by John K. Russell, and occupied by Mrs. Nellie Newhall. Members of Engine and Ladder 3 responded.

Box 911. Thursday, January 6, 11.05 P. M. False alarm, pulled by Walter S. Gamble, who was arrested and later held as the incendiary who fired Robert Clark's barn on Arah street January 10, 1908. Companies responding, Engine 5, Chemical, Hose 1, Truck 5.

STILL. Friday, January 7, 4.25 P. M. Chimney fire in three-story brick block, No. 2 Hollis street, owned by Martha Hubbard, and occupied by Napoleon Mahew. Chemical engine responded. Used one pony extinguisher.

STILL. Friday, January 7, 6.53 P. M. Chimney fire in nine-tenement wooden building, No. 23 Wayne street, owned by Robert Leggett, and occupied by Ovide Rouleau and others. Engine and Ladder Company No. 6 responded with Hose wagon. Used two pony extinguishers.

STILL. Friday, January 7, 8.20 P. M. Chimney fire in two-and-one-half-story wooden tenement house, No. 501 Cedar street, owned by Chote Ferris, and occupied by Thomas Routs. Chemical engine responded. Used one chemical tank.

STILL. Saturday, January 8, 5.00 P. M. Two-and-one-half-story tenement house, No. 53 Amherst street, owned by estate of Ellen Kerins, and occupied by John O'Shea, and others. Cause, overheated stove-pipe. No services required.

STILL. Wednesday, January 12, 6.03 A. M. Five-story brick and stone building (The Beacon), Nos. 810-824 Elm street, owned by Harry G. Clough and Welch heirs, and occupied by several parties as stores

and offices. Cause, smoke from furnace. No fire. Chemical engine responded.

STILL. Thursday, January 13, 1.15 P. M. Cottage house, No. 472 Maple street, owned by William Corey, and occupied by E. B. Stearns. Cause, fat burning in oven of gas stove.

STILL. Monday, January 17, 7.55 P. M. Four-story brick shoe factory on Willow street, near corner of Pine street, owned by Cohas Building Company, and occupied by McElwain & Co. Cause, curtain caught from gas heater. Members of Hose Company No. 3 responded with wagon. No services required.

STILL. Wednesday, January 19, 3.55 P. M. Two-and-one-half-story dwelling, No. 54 Walnut street, owned by Ruthenian Catholic Society, and used as a parsonage. Cause, steam in chimney from break in boiler section. Members of Hose Company No. 2 responded. No services required.

STILL. Friday, January 21, 8.50 A. M. One-story wooden "Hand car" house, at the foot of Salmon street, owned and occupied by the Boston & Maine Railroad. Cause, overheated stove, igniting roof. Members of Engine and Ladder Company No. 5 responded. Used two pony extinguishers.

STILL. Saturday, January 22, 4.30 P. M. Six-tenement wooden block, No. 410 Dubuque street, owned by Marie Gelinas, and occupied by Urbain Gelinas, and others. Cause, spontaneous combustion among oily rags left by painters. No damage. Members of Engine and Ladder Company No. 6 responded. No services required.

BOX 21. Saturday, January 22, 4.32 P. M. Two-and-one-half-story wooden dwelling, No. 37 Laurel street, owned by H. Nason Hall estate, and occupied by Mary Thompson on third floor where a gas stove was overturned. Damage slight. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, Trucks 1, 3.

BOX 15. Saturday, January 29, 6.43 P. M. Two-and-one-half-story wooden tenement house, No. 102 Orange street, owned by Mrs. Viola S. Bean, and occupied by T. Baron and George Gelinas. Cause, gas jet set fire to partition. Extinguished before arrival of apparatus. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Value of building, $4,500; damage, $25; insurance, $2,000; insurance paid, $25. No damage to contents.

BOX 23. Tuesday, February 1, 4.56 P. M. Cottage house, No. 169 Laurel street, owned and occupied by Paul Ratner. Fire in clothes closet in ell-part. Cause unknown. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, Truck 3. Value of building, $4,000; damage, $50; insurance, $2,500; insurance paid, $50. Value of contents, $3,000; damage, $103; insurance, $800; insurance paid, $103.

STILL. Wednesday, February 2, 9.30 A. M. Two-story wooden building, No. 915 Elm street, owned by the Manchester Children's Home,

and occupied by the United Tobacco Company. Cause, smoking furnace. No services required.

STILL. Thursday, February 3, 8.05 A. M. Two-and-one-half-story dwelling, No. 413 Dubuque street, owned by Neri Mithropolos, and occupied by two families. Cause, oil stove overturned by Amidee Juneau. Members of Engine and Ladder Company No. 6 responded with Hose wagon. Used one pony extinguisher. Damage slight.

BOX 321. Friday, February 4, 12.15 M. Four-story building, Notre Dame Hospital on Notre Dame avenue. Cause, gas stove taking fire from a leaky pipe. No damage. Box pulled by boy. Companies responding, Engines 2, 6, Hose 1, Trucks 1, 6.

STILL. Sunday, February 6, 7.15 P. M. Chimney fire in two-and-one-half-story dwelling-house, No. 317 Dubuque street, owned by Gabriel Lemieux, and occupied by Joseph Dionne and others. Members of Engine and Ladder Company No. 6 responded. Used one five-gallon extinguisher.

STILL. Sunday, February 6, 8.40 P. M. A log cabin in a grove on Brown avenue, near Pine Grove cemetery, owned by Harry P. Ray, and unoccupied. Cause, supposed to have been set by tramps. Damage slight. Used two pony extinguishers.

STILL. Monday, February 7, 12 M. Chimney fire in two-and-one-half-story tenement block, No. 507 Maple street, owned by Samuel Thompson, and occupied by Howard L. Pike and others. Members of Hose Company No. 2 responded. Used one pony extinguisher.

STILL. Monday, February 7, 12.05 M. Chimney fire in tenement block, No. 5 Barr street, owned by several families. Members of Engine Company No. 2 responded with Combination wagon. Used one pony extinguisher and one chemical tank.

STILL. Monday, February 7, 12.20 M. Chimney fire in tenement block, No. 121 School street, owned by Willis B. Kendall, and occupied by several families. Members of Engine Company No. 2 responded. Used one chemical tank.

STILL. Monday, February 7, 4.50 P. M. Chimney fire in two-story tenement block, No. 22 Nicolet lane, owned by Gordon Woodbury, and occupied by eight families. Members of Engine and Ladder Company No. 6 responded. Used two pony extinguishers.

STILL. Tuesday, February 8, 11.40 A. M. Waste paper in the cellar of three-story tenement block, No. 214 Wilson street, owned by Henri Guillet, and occupied by several families. Engine Company No. 7 responded. No services required.

BOX 81. Wednesday, February 9, 8 A. M. Three-story brick block, No. 986 Elm street, owned by Rowell & Cronan, and occupied by several stores. The fire started in the basement in a clothes-cleaning room. Cause unknown, but was probably aided by benzine. Box pulled by Engineer Joseph H. Gould of Engine 4. Companies responding, Engines 1, 4, Chemical, Hose 1, Truck 1. Value of building, $50,-

000; damage, $2,700; insurance, $3,500; insurance paid, $2,676. Value of contents, $8,417.75; damage, $3,752.83; insurance, $10,157; insurance paid, $3,251.83.

Box 53. Thursday, February 10, 3.16 P. M. Three-story wooden dwelling-house, No. 165 Third street, owned by William McArthur, and occupied by him and two other families. Cause, defective flue. Box pulled by citizen. Companies responding, Engines 2, 6, Hose 1, Truck 6. Value of building, $5,100; damage, $1,220; insurance, $1,800; insurance paid, $1,220. Value of contents, $850; damage, $375; insurance, $500; insurance paid, $375.

STILL. Thursday, February 10, 7.54 P. M. Chimney fire in three-story wooden block, No. 276 Pine street, owned by Johanna Kerins' heirs, and occupied by Kathasas Phlanis.

Box 82. Friday, February 11, 6.45 P. M. Two-story wooden dwelling, No. 28 Bridge street, owned by Francis Roy, and occupied by Charles LeBlanc. Cause, throwing kerosene lamp. No damage. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5.

Box 217. Sunday, February 13, 3.34 A. M. Two-story wooden building, No. 170 Oakland avenue, owned by Mrs. Angelina Messier, and occupied as grocery store (down stairs) by Rouleau and Messier. Cause, hot ashes. Box pulled by Napoleon Messier. Companies responding, Engines 3, 7, Hose 2, Combination 2, Truck 3. Value of building, $2,000; damage, $287; insurance, $1,500; insurance paid, $287; value of contents, $800; damage, $250. No insurance.

STILL. Sunday, February 13, 6.07 P. M. Chimney fire in two-story dwelling, No. 503 Beech street, owned and occupied by F. W. Chamberlin. Chemical engine responded. Used one pony extinguisher.

STILL. Friday, February 18, 5.10 A. M. Chimney fire in cottage house, No. 293 Spruce street, owned by Owen Kenney, and occupied by F. W. Wiggin. Members of Engine and Ladder Company No. 3 responded. Used one pony extinguisher.

STILL. Friday, February 18, 3.15 P. M. Chimney fire in three-story wooden tenement block, No. 89 Amherst street (unoccupied); owned by estate of John D. Patterson. Members of Chemical Company responded. Used two pony extinguishers.

STILL. Saturday, February 19, 7.40 P. M. Chimney fire in four-story brick block, No. 40 Middle street, owned by the Amoskeag Manufacturing Company, and occupied by John C. Gallagher.

Box 5. Saturday, February 19, 7.42 P. M. Four-story brick building, No. 7 Dean avenue, owned by Addie Pushee, and occupied by Charles A. Hoitt Co. as upholstering rooms. Cause, overheated stove. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Trucks 1, 3. Value of building, $7,000; damage, $83.34; insurance, $4,500; insurance paid, $83.34. Value of contents, $7,000; damage, $3,000; insurance, $6,300; insurance paid, $3,000.

STILL. Wednesday, February 23, 2.45 A. M. Freight car on Franklin street side track, owned by the Boston & Maine Railroad, and loaded with merchandise belonging to E. M. Slayton Co. Cause, overheated stove. Chemical Engine responded. Used one pony extinguisher.

STILL. Wednesday, February 23, 10.22 A. M. Three-story wooden tenement block, No. 226 Chestnut street (rear), owned by John Ryan, and occupied by Gelia Gaudis. Cause, smoky stove. Chemical engine responded.

STILL. Wednesday, February 23, 7.40 P. M. Chimney fire in two-and-one-half tenement house, No. 238 Cartier street, owned by A. T. Beaumier, and occupied by three families. Members of Engine and Ladder Company No. 6 responded. Used one pony extinguisher.

STILL. Thursday, February 24, 6.45 A. M. Chimney fire in two-and-one-half-story dwelling-house, No. 104 Lowell street. Owned by A. L. Clough, and occupied by Mrs. A. B. Wheeler. Chemical Engine Company responded. Used one pony extinguisher.

STILL. Thursday, February 24, 9.45 A. M. Nine-tenement block, corner Merrimack and Lincoln streets (under construction), owned by Mrs. Florence Burgess. Cause, drying plastering. Engine and Ladder Company No. 3 responded. No services required.

STILL. Friday, February 25, 7.58 P. M. Chimney fire in two-and-one-half-story tenement house, No. 254 Pine street, owned by Samuel J. Lord, and occupied by James Costakis. Chemical engine responded. Used one pony extinguisher.

BOX 325. Saturday, February 26, 10.28 A. M. Two-and-one-half-story dwelling-house, No. 474 Cartier street, owned and occupied by John Favreau. Cause, shavings and chips in cellar ignited in some unknown manner. No damage. Box pulled in by citizen. Companies responding, Engines 2, 6, Hose 1, Truck 6.

STILL. Sunday, February 27, 10.55 A. M. Chimney fire in cottage house, No. 60 Cedar street, owned by heirs of Daniel O'Leary, and occupied by John Gorman. Chemical engine responded. Used one pony extinguisher.

STILL. Monday, February 28, 2.45 P. M. Two-story dwelling house, No. 999 Chestnut street, owned and occupied by Dr. Alexander A. MacCleay. Members of Engine and Ladder Company No. 5 responded with Hose wagon. Used one pony extinguisher.

STILL. Thursday, March 10, 8.08 A. M. Chimney fire in two-and-one-half-story dwelling-house, No. 354 Chestnut street, owned by Charles McCarty, and occupied by Thomas Shannon. Chemical engine responded. Used one large chemical tank.

STILL. Thursday, March 10, 10.10 A. M. Cottage house on Hooksett road, near Hooksett line, owned and occupied by Herbert A. Crosby. Cause, defective chimney. Engine and Ladder Company No. 5 responded, with steamer and hose wagon. Used three pony extinguishers, and laid nine hundred feet of hose from steam, which was

set at Ray brook. Value of building, $1,500; damage, $1,400; insurance, $500; insurance paid, $500. Value of contents, $500; damage, $350. No insurance.

STILL. Thursday, March 10, 7.25 P. M. Chimney fire in three-story wooden tenement block, No. 38 Lowell street, owned by John H. McCabe, and occupied by several families. Chemical engine responded. No services required.

STILL. Thursday, March 10, 10 P. M. Chimney fire in three-story wooden tenement block, No. 14 Amory street, owned by Thomas D. Paris, and occupied by several families. Members of Engine and Ladder Company No. 6 responded with hose wagon. Used one pony extinguisher.

STILL. Friday, March 11, 2.35 P. M. Grass fire on Belmont street on land of D. M. K. Phillips. Members of Engine Company No. 7 responded.

STILL. Saturday, March 12, 7.10 P. M. Three-and-one-half-story wooden tenement block, No. 46 Vine street, owned by the Stark Mfg. Co., and occupied by Yan Suoka. Cause, lamp too near lace curtain. Damage slight.

Box 23. Tuesday, March 15, 11.38 A. M. Cottage house in rear of No. 190 Lake avenue, owned by Maurice Silverstein, and occupied by Mary Dillon. Fire in partition. Cause unknown. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Truck 3. Value of building, $1,500; damage, $30; insurance, $1,000; insurance paid, $30. Value of contents, $100; damage, $5; no insurance.

STILL. Thursday, March 17, 5.05 P. M. Slight fire in floor of "ten-footer," No. 1116 Elm street, owned by the estate of Weston & Fitts, and occupied by Masse Brothers. Cause, hot ashes. Chemical engine responded. Used one pony extinguisher.

STILL. Friday, March 18, 5.38 P. M. Chimney fire in three-story wooden tenement bock, No. 427 Chestnut street, owned by heirs of John D. Patterson, and occupied by Sylvester Dion and others. Chemical engine responded. Used one pony extinguisher.

STILL. Saturday, March 19, 12.50 P. M. Grass fire on vacant land on South Beech street, owned by C. S. Osgood. Cause, burning brown-tail moths. Engine and Ladder Company No. 7 responded with hose wagon.

STILL. Monday, March 21, 2.10 P. M. Grass fire on Candia road; near Sherburne street. Chemical engine responded. No services required.

Box 214. Monday, March 21, 9.18 P. M. Large one-story building at the corner of Wilson and Valley streets, owned by the Drew Machinery Co., and used by them for storage of machinery. Cause, unknown. Box pulled by citizen. Companies responding, Engines 3, 7, Hose 2, 3, Combination 2, Truck 3. Value of building, $3,200;

damage, $2,300. No insurance. Value of contents, $9,500; damage, $3,000. No insurance.

STILL. Tuesday, March 22, 3.30 A. M. Rekindling of the Drew Machinery Co.'s fire of last evening. Engine and Ladder Company No. 3 responded with hose wagon. Used two pony extinguishers.

STILL. Tuesday, March 22, 12.11 M. Grass fire under the fence surrounding land of Mrs. Emily J. Welch on corner of Elm and Baker streets. Cause, a match dropped by passer-by. Hose Company No. 3 responded.

STILL. Tuesday, March 22, 4.40 P. M. Grass and rubbish on land of American Locomotive Co., rear of No. 1448 Elm street. Chemical engine responded. Used one pony extinguisher.

STILL. Wednesday, March 23, 10.55 A. M. Coal sheds on Beech street, corner of Valley, owned and occupied by Moore & Preston Co. Cause, sparks from a Boston & Maine locomotive. Members of Engine and Ladder Company No. 3 responded. Used one pony extinguisher.

Box 21. Wednesday, March 23, 1.08 P. M. Two-story flat-roof building, rear of No. 118 Central street, owned by Anthony Rożenmas, and occupied by Baleslow Kozlonski. Cause, snapping match, setting fire to bedding. Box pulled by Officer J. D. Healy. Companies responding, Engines 1, 3, Chemical, Hose 1, Trucks 1, 3. Value of building, $2,000; damage, $25; insurance, $2,000; insurance paid, $25. Value of contents, $200; damage, $100. No insurance.

STILL. Wednesday, March 23, 11.20 P. M. Two-story brick building, corner Lincoln and Silver streets, owned by Daniel S. Kimball, and occupied by the McElwain Shoe Co. Fire was on second floor among bags of "leather-findings." Responded to by delegation from Engine 7, with hose wagon, who fought the fire for over an hour, when a box alarm was given.

Box 215. Thursday, March 24, 12.52 A. M. Two-story brick building, corner Lincoln and Silver streets, owned by Daniel S. Kimball, and occupied by the McElwain Shoe Co. as "counter" factory. Cause spontaneous combustion. Box pulled by citizen. Companies responding, Engines 3, 7, Hose 2, 3, Combination 2, Truck 3. Value of building, $25,000; damage, $35; insurance, $10,000; insurance paid, $35. Value of contents, $373.80; damage, $373.80; insurance, $373.80; insurance paid, $373.80.

STILL. Thursday, March 24, 12.50 P. M. Grass and brush fire on vacant lot, corner Sagamore and Russell streets, owned by Amoskeag Manufacturing Co. Cause, boys with matches. Members of Hose Company No. 2 responded with wagon. Used one pony extinguisher.

STILL. Thursday, March 24, 2.15 P. M. Grass fire on land on Howe street, owned by Walter Lamarsh. Members of Engine Company No. 7 responded. Used one pony extinguisher.

STILL. Thursday, March 24, 3 P. M. Grass and brush fire on land

corner of Wayne and Hevey streets. Cause, set by boys. Members of Engine and Ladder Company No. 6 responded.

STILL. Friday, March 25, 12.15 P. M. Brush fire on the Whittemore land, "Whittemore Flats," on South Cumberland street. Members of Engine and Ladder Company No. 6 responded with hose wagon. Used one pony extinguisher.

STILL. Friday, March 25, 12.50 P. M. Grass fire at No. 606 Harvard street, on land owned by Frank Cassidy. Engine Company responded.

STILL. Friday, March 25, 2.33 P. M. Grass and brush fire off Brown avenue, on land of Arthur Dumas, and Manchester Wool & Leather Co. (About three acres.) Cause, burning brush and it "got away." Hose Company No. 3 responded.

STILL. Friday, March 25, 3 P. M. Grass and brush fire on land of Amoskeag Mfg. Co., near Rockrimmon. Members of Engine and Ladder Company No. 6 responded.

STILL. Saturday, March 26, 9.55 A. M. Chimney fire in dwelling-house, No. 177 Winter street, owned by Arthur Gavin, and occupied by two families. Members of Engine Company No. 2 responded with Combination wagon. Used one pony extinguisher, and one chemical tank.

STILL. Saturday, March 26, 12.28 P. M. One-story wooden building, No. 220 Wilson street, owned by William G. Conner, and occupied by Mrs. A. H. Prince. Cause, hot ashes in a wooden box. Members of Engine Company No. 7 responded with hose wagon. Used one pony extinguisher.

STILL. Saturday, March 26, 4.20 P. M. Grass fire on Coolidge avenue on land owned by the Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 6 responded with hose wagon.

STILL. Sunday, March 27, 1.19 P. M. Grass fire on South Elm street on land of city of Manchester, and estate of Harrison D. Lord. Members of Hose Company No. 3 responded.

STILL. Sunday, March 27, 2.14 P. M. Grass and brush fire west of Brown avenue on land owned by D. J. Ahern, Manchester Wool & Leather Co., and Dr. Frank Mitchell. Members of Hose Company No. 3 responded.

STILL. Sunday, March 27, 3.38 P. M. Brush fire between Brown avenue and the Boston & Maine Railroad, on land owned by the Manchester Wool & Leather Co. Burned over about twenty-five acres. Hose Company No. 3 responded.

Box 73. Sunday, March 27, 6.43 P. M. Two tenement house, No. 259 Cedar street, owned by Julia Shea, and occupied by John Welch. Cause, lace curtain. Damage slight. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 2, 3, Truck 3.

STILL. Monday, March 28, 2.50 P. M. Grass and brush fire on west side of Manchester driving park, on Nutt road, and on land of New England Investment Co. Hose Company No. 5 responded. Used two pony extinguishers.

STILL. Monday, March 28, 10.46 P. M. A small bungalow of little value, on Rosendale avenue and Elm street. Hose Company No. 3 responded. No services required.

STILL. Tuesday, March 29, 10.32 A. M. Brush fire on sprout land, Cate road, Mystic and Mitchell streets, owned by F. A. Emerson, J. H. Erskine, Dr. Frank Mitchell. Hose Company No. 3 responded. Used two pony extinguishers.

STILL. Tuesday, March 29, 11 A. M. Brush fire, corner Mystic avenue and Beech street. Members of Engine and Ladder Company No. 3 responded with hose wagon.

STILL. Tuesday, March 29, 12.25 P. M. Brush fire on Ash street, near Salmon, on land of Amoskeag Mfg. Co. Members of Engine and Ladder Co. No. 5 responded.

STILL. Tuesday, March 29, 1.40 P. M. Brush fire on Smyth's road and Salmon street, on land of the Amoskeag Mfg. Co. Members of Engine and Ladder No. 5 responded. Used two pony extinguishers.

STILL. Tuesday, March 29, 1.55 P. M. Grass and brush fire, corner of Bridge and Ashland streets, on land of Clark B. Hall. Members of Hose No. 2 responded.

2—2—2. Tuesday, March 29, 2.07 P. M. Brush fire on sprout land in "Harvey district." Cause, sparks from Boston & Maine locomotive. Engine Company No. 4 and delegations from other companies responded. On duty three hours. Burned over about fifty (50) acres.

STILL. Wednesday, March 30, 12.06 P. M. Grass fire on South Elm street on Calef road, on land owned by the estate of Harrison D. Lord. Cause, set, to burn grass, and "got away." Hose Company No. 3 responded.

STILL. Wednesday, March 30, 2.15 P. M. Brush fire on Amory and Hevey streets, on land owned by Amoskeag Mfg. Co. Cause, set by boys. Members of Engine and Ladder No. 6 responded. Used one pony extinguisher.

STILL. Wednesday, March 30, 7.44 P. M. Chimney fire in two-and-one-half-story wooden tenement house, No. 317 Pine street, owned by the estate of John T. Moore, and occupied by Michael Ahearn. Chemical engine responded. Used one pony extinguisher.

STILL. Friday, April 1, 3.30 P. M. Brush fire on the Dunbarton road, on land owned by a Mr. Kimball of Concord. Members of Engine and Ladder No. 6 responded.

Box 64. Friday, April 1, 8.44 P. M. Small barn in rear of No. 276 Willow street, in which a small barrel of garbage was burned, with little damage to the building. Box pulled by citizen. Companies responding, Engines 4, 7, Chemical, Hose 3, Truck 3.

Box 6. Friday, April 1, 9.10 P. M. Chimney fire in four-story brick block, No. 21 Hanover street, owned by estate of George S. Holmes. Needless alarm. Box pulled by citizen. Companies responding, Engines 1, 3, 4, Chemical, Hose 1, 2, Combination 2, Trucks 1, 3, 5.

STILL. Saturday, April 2, 2.23 P. M. Brush fire on "scrub" land on Willow and Saxon streets. Hose Company No. 3 responded, with Hose wagon. Burned over about four acres.

STILL. Sunday, April 3, 12.40 P. M. Report of fire on the Huse road, caused Engine Company No. 7 to respond to call. Upon arrival at the J. Byron Huse land no fire was found.

STILL. Sunday, April 3, 2.20 P. M. Grass fire in Stark park on North River road, owned by the city of Manchester. Members of Engine & Ladder Company No. 5 responded. Used one pony extinguisher.

STILL. Tuesday, April 5, 1.45 P. M. Grass and brush fire on land on Calef and Weston roads, owned by estate of Daniel Connor, and John T. Levasseur. Cause, burning brush and "got away." Hose Company No. 3 and Engine Company No. 7 responded.

Box 241. Wednesday, April 6, 5.35 A. M. Two-and-one-half-story dwelling-house, No. 574 East Spruce street, owned by Albert L. Duke, and occupied by William M. Henry (up stairs where the fire originated), and Elmer E. Jondrow on first floor. Cause, electric wires. Box pulled by Mills Henry. Companies responding, Engine 3, Hose 2, Combination 2, Truck 3. Value of building, $3,000; damage, $1,534; insurance, $2,000; insurance paid, $1,534. Value of contents, $1,700; damage, $1,100; insurance, $1,200; insurance paid, $1,000.92.

STILL. Wednesday, April 6, 7.05 A. M. Rekindling of the above fire. Members of Engine and Ladder Company No. 3 responded. Used one pony extinguisher.

STILL. Wednesday, April 6, 3 P. M. Brush fire on Goffstown road, on vacant land of George R. Jackson. Engine Company No. 2 responded.

STILL. Thursday, April 7, 11.30 A. M. Chimney fire in cottage house, No. 386 Merrimack street, owned and occupied by John L. Golden. Members of Engine and Ladder Company No. 3 responded. Used two pony extinguishers.

STILL. Friday, April 8, 4.55 P. M. Ash box in rear of three-story tenement block, No. 64 Concord street, owned by Mrs. J. Emma Brown. Chemical engine responded. Used one pony extinguisher.

STILL. Friday, April 8, 11.05 P. M. Four-story brick building (Hotel Windsor). Spontaneous combustion in coal. Chemical engine responded. No services required.

STILL. Saturday, April 9, 2.50 A. M. Cottage house and barn, No. 441 Central street, owned by Arthur Hale, and occupied by Frank Rogers. Cause, rats and matches. Members of Engine and Ladder Company No. 3 responded.

STILL. Saturday, April 9, 9.50 A. M. Chimney fire in dwelling-house, corner South Main and Winter streets, owned by estate of George S. Eastman, and occupied by Wesley Cole. Members of Engine Co. No. 2 responded, with Combination wagon. Used two chemical tanks.

STILL. Saturday, April 9, 1.45 P. M. Brush fire in "Dodgeville," on land owned by John Murry. Members of Engine Company No. 7 responded. Used one pony extinguisher.

STILL. Saturday, April 9, 2.20 P. M. Grass fire on Mammoth road, near Nelson street. Members of Engine and Ladder Company No. 3 responded.

STILL. Saturday, April 9, 7.11 P. M. One-story wooden building, No. 685 Elm street, owned by L. F. Trull, and occupied by C. E. Duforth as a drugstore. Cause, excelsior in furnace. Chemical engine responded. No services required.

STILL. Sunday, April 10, 3 P. M. Brush fire in St. Joseph's (Catholic) cemetery. Cause, set by boys. Members of Engine Company No. 2 responded, with Combination wagon.

STILL. Monday, April 11, 11.40 A. M. Brush fire on the Hooksett road on land owned by the Amoskeag Mfg. Co. Members of Engine and Ladder Co. No. 3 responded.

STILL. Monday, April 11, 6.13 P. M. Chimney fire in two-and-a-half-story dwelling, No. 35 Washington street, owned by Marion C. Smyth, and occupied by Fred Willard and others. Chemical engine responded. Used one chemical tank.

BOX 5. Monday, April 11, 11.54 P. M. Four-story brick building, No. 752 Elm street, owned by Rowell & Rowell, and occupied by Mrs. Luella M. Hedding as a lodging house. Fire originated in room No. 10, occupied by Michael Lowrey, from some unknown cause. Box pulled by Officer O'Malley. Fire extinguished by Chemical engine. Damage about $30; fully insured. Companies responding, Engines 3, 4, Chemical, Hose 1, 3, Trucks 1, 3.

STILL. Tuesday, April 12, 9.10 A. M. City dump on North Union street. Members of Engine Company No. 5 responded.

STILL. Tuesday, April 12, 12.40 P. M. Grass fire on Coolidge avenue, on land owned by Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 5 responded. Used one pony extinguisher.

STILL. Wednesday, April 13, 1.07 P. M. Grass and brush fire on South Elm street, near Union chapel, on land owned by Amoskeag Mfg. Co. Cause, boys playing with matches. Hose Company No. 3 responded.

STILL. Wednesday, April 13, 1.25 P. M. Brush fire on Hall road, on land of Elliot Hospital. Delegations from Engine and Ladder Company No. 3 and Engine Company No. 7 responded.

STILL. Wednesday, April 13, 1.30 P. M. Brush fire on Coolidge avenue and Quirin street, on land of Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 6 responded. Used two pony extinguishers.

STILL. Wednesday, April 13, 3.16 P. M. Brush fire on South Elm street on land of Amoskeag Mfg. Co. and Fred Colby. Hose 3 responded.

STILL. Wednesday, April 13, 4 P. M. Brush fire on Dunbarton and Straw roads. Members of Engine and Ladder Company No. 6 responded.

BOX 325. Wednesday, April 13, 6.55 P. M. Two-and-one-half-story wooden dwelling, No. 568 Rimmon street, owned by Anthony O'Grady, and occupied by him and Bela Sword. Cause unknown. Box pulled by citizen. Companies responding, Engines 2, 6, Hose 1, Truck 6. Fire extinguished with one pony extinguisher. Value of building, $4,000; damage, $5.00; insurance, $3,000; insurance paid, $5.00.

2—2—2. Thursday, April 14, 6.40 A. M. Forest fire west of Straw road, between Goffstown and Dunbarton roads, on land owned by ——— Maxwell and others. Engine Company No. 1, with detail from other companies, responded. On duty nine hours.

STILL. Thursday, April 14, 3.30 P. M. Brush fire on North River road, on land owned by C. E. Quimby. Members of Engine and Ladder Company No. 5 responded.

BOX 511. Friday, April 15, 11.27 A. M. Grass fire on Blucher street, near Montgomery. Needless alarm pulled in by a boy. Companies responding, Engines 2, 6, Truck 6.

BOX 542. Friday, April 15, 12.18 P. M. Two-and-one-half-story dwelling-house, No. 177 Wentworth street, owned by Paul Schreiber, and occupied by him and Ernest Sidall. Cause, defective chimney. Box pulled by citizen. Companies responding, Engines 2, 4, 6, Chemical, Hose 1, Trucks 1, 6. Value of building, $2,400; damage, $1,200; insurance, $1,200; insurance paid, $1,200. Value of contents, $500; damage, $300; insurance, $300; insurance paid, $300.

STILL. Friday, April 15, 2.50 P. M. Grass fire at 1230 Hanover street, S. H. Mead's hothouses. Members of Engine and Ladder Company No. 3 responded with hose wagon. All out on their arrival.

2—2—2. Friday, April 15, 4.14 P. M. Forest fire on Webster street, between Hooksett and Smyth roads, on land of Amoskeag Mfg. Co., Marion C. Smyth, W. B. Johnson heirs, and others. Engine Company No. 4 and delegations from Central station responded. On duty four and one half hours.

STILL. Friday, April 15, 5.54 P. M. Brush fire on Laxton avenue, near Willow street, on land of J. Healy. Hose Company No. 3 responded.

STILL. Friday, April 15, 6.59 P. M. Chimney fire in three-story wooden tenement block, owned by Broderick & Healy, and occupied by several families. Chemical engine responded. Used one pony extinguisher.

BOX 242. Friday, April 15, 11.55 P. M. A couch at No. 396 Manchester street, in a dwelling-house owned by Clarence Stevens, and occupied by Mrs. Eola Kelley. Cause, snapping match. Box pulled by citizen. Companies responding, Engines 3, 4, Hose 2, Combination No. 2, Truck 3. Damage slight.

STILL. Saturday, April 16, 10.15 A. M. Brush fire on Bald Hill road near Stevens' pond. Members of Combination 2 responded. Used two pony extinguishers.

STILL. Saturday, April 16, 10.20 A. M. Brush fire on Mammoth road on land of Amoskeag Mfg. Co. Engine and Ladder Company No. 5 responded. Used four pony extinguishers.

2—2—2. Saturday, April 16, 1.02 P. M. Forest fire on North Union street, Hooksett and Mammoth roads. Engines 4, 5, and details from several companies responded in different sections.

STILL. Saturday, April 16, 1.30 P. M. Brush fire both sides of Vinton street, west of Taylor, on land of Williams heirs, Mitchell, Brown and Levasseur. Cause, burning brush, and "got away." Hose Company No. 3 responded.

STILL. Saturday, April 16, 3 P. M. Brush fire on Hooksett road, on land of Amoskeag Mfg. Co. Engine and Ladder Company No. 5 responded.

STILL. Saturday, April 16, 4 P. M. Brush fire on Vinton street, on land of Robert P. Stevens. Members of Engine Company No. 7 responded.

BOX 513. Saturday, April 16, 5.07 P. M. Grass fire off Milford street, on land of heirs of George W. Riddle. Needless alarm, pulled by boys. Companies responding, Engines 2, 6, Truck 6.

2—2—2. Sunday, April 17, 12.15 P. M. Brush fire on Bald Hill road, north to Bodwell's ledge, and south to Bridge street extension, covering about 225 acres, mostly sprout land. Engine Company No. 1, and details from other companies responded. On duty six hours and forty-five minutes.

STILL. Sunday, April 17, 3.25 P. M. Grass fire on west side of the "Orchard," south Elm street, between the gasworks and Jones' brewery. Cause, boys and matches. Hose Company No. 3 responded.

STILL. Wednesday, April 20, 8.35 P. M. Mattress in rear of tenement block, No. 154 Manchester street, owned by Charles Chirron, and occupied by several families. Chemical engine responded. Used one pony extinguisher.

STILL. Friday, April 22, 7.30 P. M. Chimney fire in cottage house, No. 142 Myrtle street, owned and occupied by the Misses Dana. Chemical engine responded. Used one pony extinguisher.

STILL. Saturday, April 23, 8.55 P. M. Chimney fire in two-and-a-half-story wooden dwelling-house, No. 144 Pearl street, owned by David Paige, and occupied by Alfred Morgan. Chemical engine responded. Used one pony extinguisher.

STILL. Sunday, April 24, 3.48 P. M. Three-story brick tenement block, No. 49 Bridge Place (off Bridge street), owned by Marion C. Smyth, and occupied by Joseph Thirron. Cause, meat burning on stove. Chemical engine responded. No services required.

BOX 542. Sunday, April 24, 7.58 P. M. Wentworth street dump.

Needless alarm, pulled by citizen. Companies responding, Engines 2, 6, Truck 6.

Box 212. Monday, April 25, 1.10 P. M. False alarm, caused by misunderstanding telephone message. Engines 3, 7, Hose 2, Combination No. 2, Truck 3 responded.

STILL. Monday, April 25, 1.45 P. M. Double tenement house, No. 305 Taylor street, owned by Miss Cora Young, and occupied by Bert Davis. Cause, chimney. Members of Engine and Ladder Company No. 3 responded. Used one pony extinguisher.

STILL. Monday, April 25, 3.10 P. M. Three-story brick building, No. 1016 Elm street (The Kennard), owned by the Kennard heirs, and occupied by Nelson's five-and-ten-cent store. Chemical engine responded.

STILL. Monday, April 25, 8.20 P. M. Chimney fire in dwelling-house, No. 325 Ash street, owned and occupied by Joseph H. Geisel. Members of Hose Company No. 2 responded.

Box 7. Thursday, April 28, 6.22, 6.27, 6.40 A. M. (general alarm). Five-story brick block, Nos. 73-89 Hanover street (Odd Fellows' block), owned by Hillsborough, Mechanics, and Wildey lodges, and occupied by them for halls and numerous other parties for offices and stores. The fire originated in the basement from a doughnut kettle boiling over, in the absence of the person using it, and undoubtedly was burning nearly half an hour before the alarm was given. By an elevator shaft and open stairway the fire soon extended to the fifth story where the janitor and his wife roomed. They were unable to escape, and perished, their bodies being rescued later. The first alarm was pulled by Officer Robitaille, and the second and third by order of engineers. Assistance was asked of Amoskeag Mfg. Co. and the Concord fire department. The former responded with their steamer, "T. Jefferson Coolidge," and Chief Green sent the "Gov. Hill" steamer with a delegation of men in command of Assistant Chief J. J. McNulty. Both steamers rendered valuable assistance, for which I desire to tender my *personal* as well as *official* thanks. All the city departments were on duty as follows: Engines 1, 2, 3, 4, 5, 6, 7; Chemical; Hose 1, 2, 3; Combination No. 2; Trucks 1, 3, 5, 6. Value of building, $100,000; damage, $48,915.85; insurance, $50,000; insurance paid, $48,915.85. Value of contents, $35,000; damage, $23,000; insurance, $21,000; insurance paid, $18,175.

Box 21. Thursday, April 28, 8.43 A. M. During the progress of the Odd Fellows' block fire, sparks set fire to the roof of building, No. 102-110 Merrimack street. No damage. Engine 1, Chemical, Hose 3, Combination 2, and Truck 3 responded, returning later to the Odd Fellows' block fire.

STILL. Thursday, April 28, 6.25 P. M. Two-story brick building (Crown theater), owned by James Ried, and occupied by Couture Bros. Cause, breaking of carboy of vitriol. Chemical responded. No services required.

STILL. Friday, April 29, 1.05 P. M. Rekindling of Odd Fellows' block fire. Chemical engine responded. Used one chemical tank on ruins.

STILL. Friday, April 29, 9.45 P. M. Three-story brick block, owned by Bond, Simonds and others, No. 1001 Elm street, and occupied by T. Pariseau as ladies' furnishing store. Cause, smoking furnace.

STILL. Saturday, April 30, 5.30 P. M. Four-story brick block, No. 780 Elm street, owned by E. M. Topliff, and occupied (office) by Dr. M. E. Kean. Cause, "dead" chimney. Chemical engine responded.

STILL. Tuesday, May 3, 6.02 P. M. Two-and-one-half-story wooden tenement house, No. 52 Orange street, owned by Charles C. Hayes, and occupied by Hector Morrill. Cause, matches in closet. Chemical engine responded. Extinguished before arrival of apparatus.

BOX 217. Tuesday, May 3, 7.01-7.14. A wooden barn on Cilley road, near Porter street, owned and occupied by Mrs. Mary M. Sanborn. Cause, lightning. Two alarms pulled by citizen; second one unnecessary. Companies responding, Engines 3, 4, 7, Chemical, Hose 1, 2, Combination 2, Trucks 1, 3.

STILL. Wednesday, May 4, 12 M. Two-and-a-half-story dwelling-house, No. 16 Ash street, owned by estate of Nason Hall, and occupied by Francis J. Ashland. Cause "stubborn" chimney fire. Hose No. 2 responded using seven pony extinguishers, and Chemical engine, called later, using one pony extinguisher and one chemical tank.

STILL. Wednesday, May 4, 4.30 P. M. Brush fire on west side of Hooksett road on land owned by Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 5 responded. Used three pony extinguishers.

STILL. Saturday, May 7, 7.59 A. M. Three-story wooden block, No. 42 Pearl street (No. 8 Kerins block), owned by estate of Ellen Kerins, and occupied by Bert Blackmer. Cause, spontaneous combustion of rags under sink. No damage. Chemical engine responded. No services required.

STILL. Sunday, May 8, 8.45 A. M. Brush fire on land of Amoskeag Mfg. Co. in rear of Masonic Home, Beech street. Members of Engine and Ladder Company No. 5 responded. Used three pony extinguishers.

BOX 4. Sunday, May 8, 1.56 P. M. Ash box in rear of "Coffee house," No. 43 Spruce street, owned and occupied by George Copadis. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Trucks 1, 3. No damage. No services required.

STILL. Sunday, May 8, 10.50 P. M. Cottage house, No. 635 Clay street, owned and occupied by Pierre Paradis. Cause, overturned lamp. Members of Engine Company, No. 7 responded.

STILL. Tuesday, May 10, 12.40 M. Chimney fire in two-and-a-half-story tenement house, No. 52 Orange street, owned by Charles C. Hayes, and occupied by John Enright. Members of the Chemical Company responded. Used one pony extinguisher.

STILL. Tuesday, May 10, 7.15 P. M. Brush fire on North Union street (rear of 1153) on land owned by Amoskeag Mfg. Co. Delegations from Engine and Ladder Company No. 5 responded with exercise wagon. Used two pony extinguishers.

BOX 324. Tuesday, May 10, 8.04 P. M. Dwelling-house, No. 13 Laval street, owned by George Normand, and occupied by J. B. Bechard. Cause, lamp explosion. No services required. Box pulled by citizen. Companies responding, Engines 2, 6, Hose 1, Truck 6.

STILL. Wednesday, May 11, 3.56 P. M. Dwelling-house, No. 190 Manchester street, owned by John C. Hayes, and occupied by Joseph Tremblay. Cause, children playing with matches on doorsteps. No services required. Members of Chemical Company responded.

STILL. Wednesday, May 11, 9.20 P. M. Three-story wooden tenement block, No. 68 Concord street, owned by J. Emma Brown, and occupied by Powell & Clarkson as a carpenter shop, and several families as tenements. Cause, unknown. Fire in rubbish in the cellar. Chemical engine responded. Used one chemical tank.

BOX 81. Wednesday, May 11, 9.25 P. M. The foregoing fire proving too much for the Chemical the box (81) was pulled. Companies responding, Engines 1, 4, Chemical, Hose 1, Truck 1. Value of building, $2,500; damage, $50; insurance, $2,000; insurance paid, $50.

STILL. Friday, May 13, 7.45 P. M. Chimney fire in two-and-a-half-story dwelling, No. 204 Cartier street, owned by Alfred Bouchard, and occupied by two families. Members of Engine and Ladder Company No. 6 responded with hose wagon. Used two pony extinguishers.

STILL. Friday, May 13, 9.10 P. M. Chimney fire in two-story dwelling-house, No. 56 Webster street, owned and occupied by George Cyr. Members of Engine and Ladder Company No. 5 responded. Used one pony extinguisher.

STILL. Friday, May 13, 11.34 P. M. One-story wooden building, No. 43 West Central street, owned by the Manchester Bank, and occupied by Owen Kenney, Jr. Cause, cigar stub. Chemical engine responded. Used one pony extinguisher.

BOX 214. Saturday, May 14, 12.54 M. Chimney fire in two-story double house, No. 621 Harvard street, owned by Mrs. John Bartlett, and occupied by F. Brouillard, and others. Box pulled by citizen. Companies responding, Engines 3, 7, Hose 2, 3, Combination 2, Truck 3. Used four pony extinguishers.

STILL. Saturday, May 14, 3.28 P. M. Chimney fire in three-and-one-half-story wooden block, No. 56 Pearl street (No. 6 Washington block), owned by Charles C. Hayes, and occupied by Eugene LaBonte and others. Members of Chemical Company responded. No services required.

STILL. Monday, May 16, 11.35 A. M. Grass and brush fire among the "scrub" pines, south of Valley street and west of the Drew Machinery Co.'s storehouse, on land owned by the Amoskeag Mfg. Co. Cause,

sparks from locomotive on Boston & Maine Railroad. Members of Engine and Ladder Company No. 3 responded with hose wagon. Used two pony extinguishers.

Box 71. Monday, May 16, 3.15 P. M. Two-and-a-half-story wooden dwelling, No. 80 Cedar street, owned by John A. Broderick and John F. Healy, and occupied by Greeks. Cause unknown. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Truck 3. Value of building, $5,000; damage, $122; insurance, $4,500; insurance paid, $122.

STILL. Monday, May 16, 4.50 P. M. Brush fire on west side of Hooksett road, on land owned by Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 5 responded with hose wagon. Used two pony extinguishers.

STILL. Monday, May 16, 6.40 P. M. Chimney fire in wooden tenement house, No. 70 Third street, owned by John Handle, and occupied by several families. Members of Engine Company No. 2 responded with combination wagon. Used one chemical tank.

STILL. Tuesday, May 17, 12.10 M. Brush fire on Laxton avenue, owned by D. Palmer. Members of Engine Company No. 7 responded with hose wagon. Used three pony extinguishers.

STILL. Tuesday, May 17, 1.30 P. M. Grass fire on Somerville street, on land owned by F. M. Hoyt Shoe Co. Engine 7 responded.

STILL. Wednesday, May 18, 8.50 A. M. Chimney fire in cottage house, No. 62 North Adams street, owned and occupied by Moses R. Marshall. Members of Engine and Ladder Company No. 5 responded. Used one pony extinguisher.

STILL. Friday, May 20, 5.30 A. M. Chimney fire in dwelling-house, No. 185 Mystic street, owned and occupied by William Rhoades. Hose Company No. 3 responded. No services required.

Box 82. Friday, May 20, 5.42 A. M. Three-story brick block, No. 1087 Elm (cor. Lowell), owned by H. N. Bond and the Gale Home. Cause, gas stove in room No. 2, occupied by Clifford A. Harvey. Damage slight. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5.

Box 542. Friday, May 20, 11.08 P. M. An unoccupied hencoop at No. 154 Wentworth street, owned by Alec Geagues. Cause, hot ashes. Box pulled by citizen. Companies responding, Engines 2, 6, Truck 6.

STILL. Monday, May 23, 7.35 P. M. Grass fire on South Beech street in French Catholic cemetery. Hose Company No. 3 responded. Nearly extinguished on their arrival.

STILL. Tuesday, May 24, 1.30 P. M. A hencoop in rear of No. 454 Dubuque street, owned by John Montplaisir. Cause unknown. Members of Engine and Ladder Company No. 6 responded.

STILL. Tuesday, May 24, 8 P. M. City dump, corner of Auburn and Maple streets. Members of Engine and Ladder Company No. 3 responded.

STILL. Saturday, May 28, 12.55 M. Chimney fire in two-and-a-half-story dwelling-house, No. 126 Central street, owned by Mrs. Sutton of Derry, and occupied by Mrs. Dorilda Bellemere. Chemical engine responded. Used one chemical tank.

STILL. Sunday, May 29, 11.10 A. M. Three-story wooden shoe shop, No. 343 Kelley street, occupied by the N. B. Reed Co. Cause, careless workmen started thermostat. Members of Engine and Ladder Company No. 6 responded. No services required.

STILL. Saturday, June 4, 10.25 A. M. Chimney fire in dwelling-house, No. 103 Second street, owned and occupied by P. Duval. Engine Company No. 2 responded. Used one pony extinguisher.

STILL. Monday, June 6, 7.25 A. M. Four-story brick building, No. 48 (rear) Hanover street, owned by Walter M. Parker, and occupied by Union Publishing Co. Cause, electric motor in the press room. Chemical engine responded. Used one pony extinguisher.

STILL. Wednesday, June 8, 12.56 M. Chimney fire in cottage house, No. 97 Baker street, owned and occupied by Mrs. J. G. Johnson. Members of Hose Company No. 3 responded. Used two pony extinguishers.

STILL. Wednesday, June 8, 9.15 P. M. City dump at corner Maple and Auburn streets. Members of Engine and Ladder Co. No. 3 responded with hose wagon.

STILL. Thursday, June 9, 10.03 A. M. Three-story granite (government) building, owned and occupied by the U. S. postoffice department. Cause, fire started in waste basket from some unknown cause. Chemical engine responded. Used two pony extinguishers.

STILL. Sunday, June 19, 2.30 P. M. Four-story brick block (Weeks), No. 937 Em street, owned by estate of G. W. Weeks and N. S. Clark. An awning over the store windows of Clark Bros.' Beehive got afire. Members of Chemical Company responded. Used one pony extinguisher.

Box 21. Monday, June 20, 8.15 A. M. An awning on the three-story wooden block, No. 127 Merrimack street, owned by estate of A. D. Burgess, and occupied by Frank Price as a ladies' and gents' tailor-shop. Box pulled by citizen. Companies responding, Engines 3, 4, Chemical, Hose 1, Trucks 1, 3.

STILL. Monday, June 20, 12.10 M. Fence fire on Pine street, near Salmon, around land owned by Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 5 responded with hose wagon. Used one pony extinguisher.

Box 52. Tuesday, June 21, 5.10 P. M. Two-and-a-half-story tenement house, No. 16 School street, owned by Mrs. Ellen Stratton, and occupied by H. Forcier. Slight fire on second floor of ell part, in box of packed crockery. Cause, snapping matches. Companies responding, Engines 2, 6, Hose 1, Truck 6. Used one chemical tank. Value of building, $3,000; damage, $40; insurance, $1,500; insurance paid, $40.

Value of contents, $600; damage, $28.50; insurance, $500; insurance paid, $28.50.

Box 52. Thursday, June 23, 8.45 A. M. Two-story dwelling-house, No. 74 North Main street, owned and occupied by John Rustler and Adam Zebhardt. Cause, explosion; oil stove. Box pulled by citizen. Companies responding, Engines 2, 6, Hose 1, Truck 6. Value of building, $3,000; damage, $1,449; insurance, $1,500; insurance paid, $1,386. Value of contents, $2,000; damage, $1,857; insurance, $1,400; insurance paid, $300.

STILL. Friday, June 24, 8.15 A. M. An electric car (No. 83) on the Bridge-street line of the Manchester street railway. Cause, short circuit of motor. Chemical engine responded. Used one pony extinguisher.

Box 6. Friday, June 24, 7.55 P. M. Four-story brick block, No. 34 Mechanic street, owned by Amoskeag Mfg. Co., and occupied by Joseph Dubard. Cause, tipping over kerosene lamp. Box pulled by citizen. Companies responding, Engines 1, 4, Chemical, Hose 1, 2, Trucks 1, 5. Fire extinguished by Chemical engine. Value of building, $10,000; damage, $350; insurance (blanket) $350; insurance paid, $350.

STILL. Saturday, June 25, 5.57 A. M. Chimney fire in two-and-one-half-story tenement house, No. 126 Central street, owned by Mrs. Nancy Smith, and occupied by Sophia Belmore. Chemical engine responded. Used one pony extinguisher.

STILL. Monday, June 27, 7.20 A. M. Barn at No. 351 Lowell street, owned and occupied by Edward E. Hoyt. Cause unknown. Chemical engine responded. Used one chemical tank. Value of building, $750; damage, $20; insurance, $500; insurance paid, $20.

STILL. Wednesday, June 29, 2.24 P. M. An electric street car, No. 129 of the Manchester street railway. Cause, electric wires. Hose Company No. 2 responded. Used one pony extinguisher. Damage slight.

Box 8. Wednesday, June 29, 6.12 P. M. Three-story tenement house, No. 30 Orange street, owned by F. W. Griffin, and occupied by Augusta Garon and Julia Beaudry. Cause unknown. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Value of building, $35,000; damage, $155; insurance, $2,500; insurance paid, $155.

STILL. Thursday, June 30, 12.55 P. M. Chimney fire in two-tenement house, No. 237 East Spruce street, owned by Katherine Eager, and occupied by Annie Lavin. Members of Engine and Ladder Company No. 3 responded. Used two pony extinguishers.

Box 312. Three-story wooden tenement block, No. 427 North Main street, owned by George Blanchet, and occupied by Amedee Lafond and Medric Robert. Cause, boy playing with matches. Damage slight. Box pulled by citizen. Companies responding, Engines 1, 2, 6, Hose 1, Trucks 3, 6. Extinguished by Chemical. Used one tank.

Box 4. Saturday, July 2, 5.39 A. M. Four-story brick tenement block, No. 184 Chestnut street, owned by Griffin Brothers, and occupied by several families. Cause, hot ashes in ash chute. No damage. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Trucks 1, 3.

STILL. Saturday, July 2, 1.46 P. M. Five-story brick building on Willow street, Cohas shoe shop. False alarm by crossing wires of automatic alarm. Hose Company No. 3 responded.

Box 7. Tuesday, July 5, 12.06 M. Two-story wooden building, No. 123 Hanover street, owned by George F. Bosher, and occupied as lunch room by Peter O. Riley. Cause, sparks from chimney. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, Trucks 1, 3. Fire extinguished by Chemical engine. Value of building, $1,000; damage, $30; insurance, $1,000; insurance paid, $30.

STILL. Tuesday, July 5, 5 P. M. Old street railway "ties" on Valley street, near Wilson street, owned by Manchester Traction, Light & Power Co. Engine Company No. 7 responded with hose wagon. Used two pony extinguishers.

STILL. Tuesday, July 5, 7.15 P. M. Brush fire on land on Mammoth road, owned by Amoskeag Mfg. Co. Combination No. 2 responded. Used two pony extinguishers. Were on duty two hours.

2—2—2. Wednesday, July 6, 9.22 A. M. Brush fire on Hackett Hill road, near Hooksett line, on land owned by Robert M. Guilford. Engine Company No. 1, and delegations from Hose 1, Truck 1, Engine and Ladder No. 5 responded. On duty two and one half hours. Burned over about fifteen acres of land.

STILL. Wednesday, July 6, 1.15 P. M. Rekindling of same fire. Delegations from Engine and Ladder Company No. 5, Hose 1, Truck 1, Chemical. On duty three and one half hours, and used eight pony extinguishers.

Box 8. Wednesday, July 6, 1.15 P. M. Four-story brick block, No. 1202 Elm street, owned by Mrs. S. A. Ray, and occupied by Frank D. Leighton, plumber, etc., and others. The fire started in Leighton's cellar, in some oakum, from a match in the hands of one of the workmen. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Value of building, $40,000; damage, $50; insurance, $20,000; insurance paid, $50.

STILL. Wednesday, July 6, 4.30 P. M. Brush fire on Hooksett road on land owned by Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 5 responded. Used two pony extinguishers.

STILL. Wednesday, July 6, 8.45 P. M. Two-and-one-half-story wooden building, No. 123 Hanover street, owned by George F. Bosher, and occupied by Peter O. Riley, as a lunch room. Cause, cigar stub on roof from adjoining building. Chemical engine responded.

STILL. Thursday, July 7, 8.30 A. M. Brush fire on Hooksett road on land owned by Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 5 responded.

STILL. Thursday, July 7, 2.40 P. M. Cottage house, No. 240 Central street, owned by Thomas Reynolds, and occupied by J. Fitzpatrick. Slight fire in waste paper in closet, set by child. Members of Engine and Ladder Company No. 3 responded.

STILL. Thursday, July 7, 10.10 P. M. An old tree and grass on west side of Manchester & Lawrence Railroad track, on land of T. McKenna. Members of Hose Company No. 3 responded. Used two pony extinguishers.

Box 71. Friday, July 8, 7.18 P. M. Three-story wooden tenement house, No. 149 East Spruce street, owned by B. Resnick, and occupied by I. Resnick and others. Cause, lace curtain in contact with candle flame. Extinguished by occupants. Box pulled by citizen. Companies responding, Engines 3, 4, Chemical, Hose 1, 3, Truck 3.

STILL. Saturday, July 9, 8.25 A. M. Chimney fire in dwelling-house, No. 29 Winter street, owned and occupied by John Langon. Members of Engine Company No. 2 responded with Combination wagon. Used one pony extinguisher.

STILL. Saturday, July 9, 4.50 P. M. Wooden one-story barn at No. 124 Concord street, owned by estate of Ellen Kerins. Cause unknown. Chemical engine responded. Used one pony extinguisher.

STILL. Tuesday, July 12, 3.30 P. M. Fence in rear of No. 364 Beech street, owned by T. T. Shachen. Cause, candle in a tent. Chemical engine responded. Used one pony extinguisher.

Box 4. Friday, July 15, 3.08 P. M. Four-story brick block at No. 182 Chestnut street, owned by Isaac Resnick, and occupied by several families. Cause, hot ashes in ash chute. No damage. Box was pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Trucks 1, 3.

STILL. Friday, July 15, 10.05 P. M. Three-story wooden tenement house, No. 402 Rimmon street, owned by Joseph Plante, and occupied by Charles Caron and others. Cause, lace curtain in gas jet. Members of Engine and Ladder Company No. 6 responded. Used two pony extinguishers.

STILL. Monday, July 18, 8.30 P. M. Brush fire on Auburn and Lincoln streets, on land owned by the Amoskeag Mfg. Co. Cause, boys playing "Injun." Members of Engine and Ladder Company No. 3 responded with hose wagon. Used three pony extinguishers.

STILL. Tuesday, July 19, 12.20 P. M. Three-story brick dwelling, No. 15 Albert street, owned by the estate of E. A. Straw, and occupied by Mrs. Helen Choate, as New England Conservatory of Music. Cause, oil stove. Chemical engine responded.

STILL. Tuesday, July 19, 3.44 P. M. A small bonfire on the Calef road on land owned (on lease) by the People's Gas-light Co. Hose Company No. 3 responded.

Box 323. Friday, July 22, 10.46 P. M. Small barn with sheds attached, near Sullivan and Railroad streets, owned by Rodney N. Whit-

temore, and used by him for storage of lumber, sleds and sleighs. Cause, lightning. Box pulled by citizen. Companies responding, Engines 2, 6, Hose 1, and Truck 6. Value of building, $700; damage, $700; insurance, $450; insurance paid, $450. Value of contents, $300; damage, $200; insurance, $200; insurance paid, $157.

STILL. Sunday, July 24, 5.45 P. M. Chimney fire in two-and-a-half-story tenement block, No. 10 Laurel street, owned by Mrs. Etta Topping, and occupied by Mrs. Wm. H. Orrill. Chemical engine responded. Used one pony extinguisher.

STILL. Sunday, July 24, 6 P. M. Smoke around a chimney in dwelling-house, No. 749 Belmont street, owned and occupied by Arthur Lemay. Members of Engine Company No. 7 responded.

BOX 212. Monday, July 25, 10.52 A. M. Three-story wooden block, No. 375 Massabesic street, owned by Walter Cody estate, and occupied by Charles G. Dunnington (as drugstore) and others. Box pulled by Dunnington. Companies responding, Engines 3, 7, Hose 2, Combination 2, Truck 3. Value of contents, $2,000; damage, $87; insurance, $1,500; insurance paid, $87.

BOX 115. Monday, July 25, 1.05 P. M. A barn connected with cottage house, No. 253 Ash street, owned and occupied by John N. Sanborn. Cause, lightning. Box pulled by citizen. Companies responding, Engines 1, 5, Chemical, Hose 2, Truck 5. Value of building, $700; damage, $50; insurance, $500; insurance paid, $50. Value of contents, $500; damage, $40; insurance, $200; insurance paid, $40.

BOX 93. Monday, July 25, 1.27 P. M. Two large hay barns on the North River road, owned and occupied by George H. Brown. Cause, lightning. Box pulled by citizen. Companies responding, Engines 4, 5, Chemical, Hose 1, Combination 2, Trucks 1, 5. On duty five hours. Value of buildings, $3,500; damage, $3,500; insurance, $2,600; insurance paid, $2,600. Value of contents, $4,500; damage, $4,000; insurance, $6,400; insurance paid, $3,688.77.

STILL. Monday, August 1, 1.20 P. M. Old railroad "ties" on Valley street west of Wilson, belonging to the Manchester Traction, Light & Power Co. Cause, set by boys. Members of Engine and Ladder Company No. 3 responded with hose wagon.

STILL. Thursday, August 4, 7.45 A. M. Two-and-one-half-story block, corner of Beech and Blodget streets, owned by F. C. Russell. Cause, gas stove. Chemical engine responded. No services required.

STILL. Thursday, August 4, 10.15 A. M. Three-story wooden tenement block, No. 307 Chestnut street, owned by Mrs. Etta Topping, and occupied by Mrs. O. Riley. Chemical engine responded. No services required.

BOX 21. Thursday, August 4, 8.45 P. M. Two-story tenement house, rear No. 187 Merrimack street, owned by L. J. and Mary F. Nutt, and occupied by Fred Marquis. Cause, breaking lamp. Damage slight. Box pulled by citizen. Companies responding, Engines 3, 4, Chemical,

Hose 1, Trucks 1, 3. Value of building, $700; damage, $32.50; insurance, $500; insurance paid, $32.50. Value of contents, $200; damage, $10; no insurance.

Box 31. Friday, August 5, 2.30 P. M. A woodshed in rear of No. 4 Kidder street, owned by Amoskeag Mfg. Co., and occupied by George Ross. Cause unknown. Box pulled by citizen. Companies responding, Engines 4, 5, Chemical, Hose 1, Trucks 1, 5. Value of building, $500; damage, $25; insurance (blanket), $500; insurance paid, $25. No damage to contents.

Box 21. Sunday, August 7, 12.08, 12.09, 12.12 M. (General alarm). A barn in rear of 29-31 Laurel street, owned by the estate of H. Nason Hall, and occupied by A. Bourassa and Joseph Fournier. Cause, smoking on hay. Box pulled (first alarm) by citizen. (Third alarm by Deputy-Chief E. W. Merrill.) Companies responding, Engines 1, 2, 3, 4, 5, 6, 7, Chemical, Hose 1, 2, 3, Combination No. 2, Trucks 1, 3, 5, 6. Value of building, $800; damage, $175; insurance, $200; insurance paid, $175. Value of contents, $200; damage, $50. No insurance.

STILL. Wednesday, August 10, 9.15 A. M. Barn in rear of No. 106 Lake avenue, owned and occupied by Peter Giblin. Cause, overheated manure in cellar. Chemical engine responded. Used one pony extinguisher.

Box 6. Monday, August 15, 12.10 midnight. Four-story brick block, No. 45 Hanover street, owned by Frank P. Johnson, and occupied by Jordan Restaurant Co. as an eating saloon. Cause, rubbish in barrel. Damage slight. Companies responding, Engines 1, 4, Hose 1, 2, Trucks 1, 5. Fire was extinguished by chemical. Value of contents of building, $3,500; damage, $15; insurance, $2,000; insurance paid, $15.

STILL. Thursday, August 18, 8.20 A. M. Chimney fire in two-and-a-half-story wooden tenement block, No. 26 Wayne street, owned by E. Gressley, and occupied by ten families. Members of Engine and Ladder Company No. 6 responded with hose wagon. Used one pony extinguisher.

STILL. Thursday, August 18, 1.12 P. M. Two-story wooden dwelling on Brown avenue, Goffe's Falls (four miles out); owned and occupied by William A. Brooks. Cause, kerosene oil stove. Sent engine 1 and Hose 3. Value of building, $2,700; damage, $2,143; insurance, $2,400; insurance paid, $2,143. Value of contents, $1,000; damage, $400; insurance, $700; insurance paid, $300.

Box 63. Monday, August 22, 2.40 A. M. Two-and-one-half-story dwelling house, No. 723 South Beech street, owned by W. B. Martin of Groton, N. H., and occupied by Ernest Turnbloom. Cause unknown. Box pulled by citizen. Companies responding, Engine 7, Chemical, Hose 3, Ladder 3. Value of building, $3,000; damage, $200; insurance, $2,000; insurance paid, $200. Value of contents, $1,300; damage, $200. No insurance.

2—2—2. Wednesday, August 24, 10.40 A. M. A call was received from Epping, N. H., for assistance, on account of a fire in the sheds of the New England Brick Co. Engine 4 was loaded on the cars, with men and horses, but word came that the fire was under control, so apparatus returned to quarters.

Box 6. Thursday, August 25, 7.34 P. M. Two-story wooden building, rear No. 915 Elm street, owned by Mrs. Mary J. Fogg, and occupied by Mrs. J. B. DuPaul as storeroom for millinery. Cause, unknown. Box pulled by citizen. Companies responding, Engines 1, 4, Chemical, Hose 1, 2, Trucks 1, 5. Fire extinguished by Chemical. There was no damage to building. Value of contents, $3,500; damage, $200; insurance, $2,250; insurance paid, $200.

Box 32. Sunday, August 28, 11.46 P. M. False alarm pulled by some malicious person. Companies responding, Engines 1, 5, Chemical, Hose 1, Trucks 1, 5.

STILL. Monday, August 29, 6.15 P. M. Chimney fire in three-story wooden tenement block, No. 14 Pearl avenue (Pearl street), owned by Frank Dennett, and occupied by George Lessard and others. Chemical engine responded. Used one chemical tank.

Box 82. Monday, August 29, 10.50 P. M. Three-story brick block, No. 1074 Elm street, owned by heirs of A. B. Story—in room No. 2—occupied by the Misses Gaudette and Desrosiers, where a slight fire in a couch was started, doing but little damage. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Fire extinguished by throwing the couch out of the window. No water used.

STILL. Monday, August 29, 11.03 P. M. False alarm from No. 85 Spruce street, to which the Chemical engine responded.

Box 3. Tuesday, August 30, 10.32 A. M. Two-story wooden planing mill and box factory, corner of Valley and Pine streets, owned and occupied by Fellows & Son. Cause, sparks setting fire to shavings in a "chute" from planer to engine room. Box pulled by citizen. Companies responding, Engines 1, 7, Chemical, Hose 1, 3, Trucks 1, 3. No damage.

STILL. Tuesday, August 30, 8 P. M. Two-story dwelling-house, No. 654 North Main street, owned by Mrs. S. C. Clatur, and occupied by two families. A slight fire in a hall "hat-tree." Members of Engine & Ladder Company No. 6 responded with hose wagon. Used one pony extinguisher.

Box 323. Friday, September 2, 11.45 A. M. A henpen in rear of No. 391 Bartlett street, owned and occupied by Fred M. Brulotte. Box pulled by citizen. Companies responding, Engines 2, 6, Hose 1, Truck 6. Value of building, $40; damage, $40. No insurance.

STILL. Friday, September 2, 7.10 P. M. Chimney fire in two-and-a-half-story dwelling-house, No. 58 Orange street, owned by a Mr. Foster. Chemical engine responded. Used one pony extinguisher.

Box 324. Saturday, September 3, 9.51 P. M. A small barn, No. 148 Joliette street, owned and occupied by Paul Cullerot. Cause, caught from lamp while feeding a cow. Damage slight. Box pulled by citizen. Companies responding, Engines 2, 6, Truck 6.

Box 71. Tuesday, September 6, 7.45 A. M. Two-and-a-half-story wooden tenement and mercantile block, No. 136-138 Lake avenue, owned by estate of Ellen Kerins, and occupied by several parties. The fire originated in the basement where it was wholly confined. Cause unknown. Box pulled by ——— Kerins. Companies responding, Engines 3, 4, Chemical, Hose 1, 3, Truck 3. Value of buildings, $4,000; damage, $193.50; insurance, $3,000; insurance paid, $193.50. Value of contents, $500; damage, $90; insurance, $500; insurance paid, $90.

STILL. Tuesday, September 6, 11.35 A. M. Small wooden shed in rear of No. 83 Amherst street, owned and occupied by Sullivan Bros. Cause, boys playing with matches. No damage. Chemical engine responded. Used one pony extinguisher.

Box 4. Wednesday, September 7, 2.31 P. M. A small shed in the rear of No. 66 Spruce street, occupied by Aristotides Vardis. Cause, oil stove. Damage, $10. No insurance.

Box 82. Thursday, September 8, 11.48 A. M. Ash and garbage-holder in rear of Chandler block, No. 1191 Elm street. Cause, hot ashes. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5. Damage slight.

STILL. Thursday, September 8, 5.37 P. M. Three-story brick block, No. 177 Manchester street, owned by Mrs. Marion C. Smyth, and occupied by Napoleon Lapointe. Cause, kettle of candy boiling over. No damage. Chemical Engine Company responded.

STILL. Sunday, September 11, 7.15 P. M. Chimney fire in cottage house, No. 568 Beech street, owned and occupied by Joseph L. Tremblay. Chemical engine responded. Used one pony extinguisher and one chemical tank.

STILL. Friday, September 16, 6.48 P. M. Chimney fire in two-and-a-half-story dwelling, No. 547 Chestnut street, owned by estate of Nason Hall, and occupied by Joseph Soulette. Chemical engine responded. Used one pony extinguisher.

STILL. Saturday, September 17, 3.09 P. M. Four-story brick building on Willow street, owned by the Cohas Building Co., and occupied by W. H. McElwain Shoe Co. False alarm, caused by crossed wires on automatic fire signal. Members of Hose 3 responded.

STILL. Saturday, September 17, 3.20 P. M. Three-story dwelling, No. 364 Rimmon street, owned and occupied by Joseph Bilodeau. Cause, set by children under a "summer" kitchen. No damage. Members of Engine and Ladder Company No. 6 responded. Used one pony extinguisher.

STILL. Monday, September 19, 7.15 P. M. Four-story brick build-

ing under construction, No. 16 Mechanic street, owned by the Young Men's Christian association. Cause, reflection of lights used by workmen laying floors. No fire. Chemical engine responded.

Box 323. Monday, September 19, 11.58 P. M. False alarm. Companies responding, Engines 2, 6, Hose 1, Truck 6.

Box 711. Tuesday, September 20, 4.40 P. M. Two-and-a-half-story house, No. 225 Grove street, owned and occupied by John A. Connelly. Cause, gas stove. Box pulled by citizen. Companies responding, Engines 3, 4, Chemical, Hose 1, 3, Truck 3. Value of building, $4,500; damage, $45; insurance, $3,500; insurance paid, $45.

Box 7. Tuesday, September 20, 11.02 P. M. A pile of old railroad "ties" in rear of No. 148 Manchester street. Cause, cigarette stub. Box pulled by citizen. Companies responding, Engines 3, 4, Chemical, Hose 1, Trucks 1, 3.

STILL. Wednesday, September 21, 6 P. M. Two-and-one-half-story dwelling, No. 44 Bridge street, owned and occupied by A. J. Provencher. Cause, lace curtain too near gas jet. Chemical engine responded.

Box 71. Wednesday, September 21, 11 P. M. A barn at the corner of Pine and Valley streets, owned and occupied by Fellows & Son. Cause unknown. Box pulled by John Barbeau. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Truck 3. Value of building, $650; damage, $403.75; insurance, $500; insurance paid, $403.75. Value of contents, $1,500; damage, $764.75; insurance, $1,000; insurance paid, $764.75.

Box 7. Friday, September 23, 7.27 A. M. Slight fire on the shingle roof rear of No. 129 Hanover street on building owned by Shirley Merrill of Londonderry, and occupied by J. D. Perkins. Cause, sparks from chimney. Box pulled by citizen. Companies responding, Engines 1, 3, 4, Chemical, Hose 1, Trucks 1, 3.

STILL. Friday, September 23, 4.15 P. M. Chimney fire in three-story wooden dwelling, No. 518 Somerville street, owned and occupied by Oliver Boucher. Members of Engine 7 responded with wagon. Used one pony extinguisher.

STILL. Saturday, September 24, 8.10 P. M. An automobile on Pleasant street, opposite No. 36 Pleasant street, No. 2609, owned by George N. Butterfield. Cause, overflow of gasoline. Chemical engine responded. Used one pony extinguisher.

STILL. Thursday, September 29, 12.32 P. M. Two-story dwelling, No. 7 School street, owned and occupied by Mrs. Eliza Schink. Cause, sparks from chimney set fire to shingles on roof of ell part. Engine Company No. 2 responded with Combination wagon. Used two pony extinguishers, and one chemical tank. Value of building, $5,500; damage, $100; insurance, $2,500; insurance paid, $100.

Box 15. Saturday, October 1, 7.07 P. M. Electric wire in contact with a tree at the corner of Chestnut and Pearl back streets. No

damage. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Trucks 1, 5, Flying Squadron. No services required.

STILL. Saturday, October 1, 7.15 P. M. Chimney fire in four-story wooden block, No. 571 Elm street, owned by Michael Conner, and occupied by Joseph Job and others. Members of Engine and Ladder Company No. 3, Hose 3 and the Chemical were called. Used one pony extinguisher.

STILL. Sunday, October 2, 9.48 A. M. Chimney fire in two-story tenement house, No. 54 Derryfield lane, owned and occupied by Joseph Duda. Flying Squadron and members of Truck No. 1 responded. Used one chemical tank.

STILL. Sunday, October 2, 10.02 A. M. Chimney fire in two-and-a-half-story wooden tenement house, owned by P. Harrington heirs, and occupied by Timothy Healy. Chemical engine and Flying Squadron responded. Used two pony extinguishers.

STILL. Sunday, October 2, 11.50 A. M. Brush fire on Huse road at Manchester Center, on land owned by the Isaac Huse heirs. Flying Squadron responded. No damage. Used three pony extinguishers.

STILL. Sunday, October 2, 3.10 P. M. Grass fire on land owned by Amoskeag Mfg. Co., corner Wayne and Hevey streets. Set by boys. Members of Engine and Ladder Company 6 responded.

STILL. Sunday, October 2, 4.10 P. M. Grass fire on land owned by Amoskeag Mfg. Co. on South Elm street, near South Manchester chapel. Hose Company No. 3 responded.

STILL. Monday, October 3, 7.25 A. M. Leaves in a bulkhead of the four-story brick block, No. 945 Elm street, owned by George H. Brown, and occupied by Brown & Burpee, opticians. Flying Squadron responded.

STILL. Monday, October 3, 11.45 P. M. A flagman's "shanty" on Boston & Maine Railroad, near the gasworks, owned by the Boston & Maine Railroad. Cause, overheated stove. Damage slight. Flying Squadron responded. Used one chemical tank.

BOX 7. Tuesday, October 4, 4.45 P. M. Four-story wooden building, No. 127 Hanover street, owned by Shirley Merrill of Londonderry, N. H., and occupied by J. D. Perkins for naphtha cleaning. Cause, boy stepped on snapping match. Box pulled by citizen. Companies responding, Engines 3, 4, Chemical, Hose 1, Trucks 1, 3, and the Flying Squadron. Fire extinguished by chemical stream. No damage.

BOX 7. Tuesday, October 4, 7.44, 7.46, 7.53 P. M. (General alarm). Two-story stable and three dwelling-houses, from 145 to 163 Hanover street, owned by John N. Sanborn and J. M. Johnson of Derry, N. H., and occupied by Edward L. Bohan, stable; J. S. Dyer, automobile repair shop, and tenants Salome, Cormier, Morris Felsher, Jennie Gendron, W. J. Milligan and others. Cause unexplained, although it started near some gasoline, which aided the spread of the flames.

First two alarms were pulled in by Officer Badger, and the third alarm by Tom Lane Kellogg (per order of Chief). Companies responding, Engines 1, 2, 3, 4, 5, 6, 7, Chemical, Hose 1, 2, 3, Combination No. 2, Flying Squadron, Trucks 1, 3, 5, 6. The Amoskeag Mfg. Co. sent up their steamer, the "T. Jefferson Coolidge," but it was not used. Value of buildings, $13,800; damage, $5,631; insurance, $7,200; insurance paid, $3,361. Value of contents, $8,750; damage, $3,631; insurance, $4,250; insurance paid, $2,295.

STILL. Tuesday, October 4, 10.47 P. M. Rekindling of foregoing fire in Dyer's repair shop. Responded to by Flying Squadron. Used one pony extinguisher.

STILL. Tuesday, October 4, 11.35 P. M. Rekindling of foregoing fire in Bohan's stable. Responded to by the Flying Squadron. Used one pony extinguisher.

STILL. Wednesday, October 5, 6.05 A. M. Rekindling of last night's fire in livery stable, No. 145 Hanover street. Flying Squadron responded. Used one pony extinguisher.

STILL. Wednesday, October 5, 5.15 P. M. City dump, corner of Pine and Green streets. Flying Squadron responded.

Box 3. Thursday, October 6, 1.15 P. M. The shaving bin at Fellows & Sons' box factory, corner of Pine and Valley streets. Cause, sparks from boiler. Box pulled by citizen. Companies responding, Engines 4, 7, Chemical, Hose 3, Flying Squadron, Trucks 1, 3. No damage.

STILL. Thursday, October 6, 7.45 P. M. City dump on Maple street. Members of Engine 7 responded with hose wagon. Used one pony extinguisher.

STILL. Friday, October 7, 12.29 M. Chimney fire in four-tenement wooden block, No. 98 A street, owned by Mrs. E. J. Bergland, and occupied by four families. Members of Engine Company No. 2 responded with combination wagon. Used two pony extinguishers and one chemical tank.

STILL. Sunday, October 9, 10.43 A. M. An automobile, at the corner of Concord and Nashua streets, owned by Dr. Walter T. Crosby. Cause, "back fire" in carburetor. Flying Squadron responded. Used one pony extinguisher.

Box 73. Sunday, October 9, 7.19 P. M. Four-story wooden tenement block, No. 363 Beech street, owned by Mrs. Rose Stoll, and occupied by several families. Cause, broken gas pipe. No fire. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 2, 3, Flying Squadron, Truck 3.

STILL. Monday, October 10, 11 A. M. Two-story brick tenement block, No. 21 Whitney street, owned by Amoskeag Mfg. Co., and occupied by W. J. Davit. Cause, overheated stove. Flying Squadron responded.

STILL. Monday, October 10, 4.20 P. M. An automobile at 36-38 Pleasant street, Sullivan Bros.' garage. Flying Squadron responded. Extinguished before their arrival.

STILL. Monday, October 10, 7.57 P. M. Chimney fire in four-story brick block, No. 891 Elm street, owned by C. B. Littlefield, and occupied by John J. Holland as a drugstore. Flying squadron responded. No services required.

BOX 4. Tuesday, October 11, 11.43 A. M. Two-story dwelling-house, rear 46 Auburn street, owned by Mrs. Kate Gill, and occupied by Andrew Triantes as a dwelling, and a naphtha cleaning establishment. Mr. Triantes was severely burned about the face and hands in trying to recover some money from a closet. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Flying Squadron, Trucks 1, 3. Value of building, $800; damage, $180; insurance, $800; insurance paid, $180. Value of contents, $150; damage, $30. No insurance.

STILL. Wednesday, October 12, 1.03 P. M. Grass fire in field east of Manchester & Lawrence branch railroad, owned by Timothy McKenna. Cause, sparks from locomotive on Boston & Maine Railroad. Hose 3 responded.

STILL. Wednesday, October 12, 5.08 P. M. Three-story wooden tenement block, No. 154 (rear) Manchester street, owned by C. Cheron, and occupied by several families. Cause, funnel fell from stove, filling room with smoke. Flying Squadron responded. No services needed.

STILL. Thursday, October 13, 7.45 A. M. Four-story brick block, No. 20 Concord street, owned by Arthur Desrocher, and occupied by several parties. Cause, hot ashes in ash chute. No damage. Flying Spuadron responded.

STILL. Thursday, October 13, 8.30 P. M. Two-and-a-half-story wooden tenement block, No. 20 Marion street, owned by Edwin Gresley, and occupied by Philip Lavoie and others. Cause, chimney. Members of Engine and Ladder Company No. 6 responded with hose wagon.

BOX 15. Friday, October 14, 12.14 NOON. Three-and-a-half-story wooden tenement block, No. 517 Chestnut street, owned by H. A. Buck and Isabella G. Mack, and occupied by Edward H. Holmes and others. Cause, sparks from chimney. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Flying Squadron, Trucks 1, 5. Extinguished by Chemical. Value to building, $5,000; damage, $38.05; insurance, $4,000; insurance paid, $38.05. No damage to contents.

STILL. Friday, October 14, 1.35 P. M. Three-and-a-half-story wooden block, No. 1161 Elm street, owned by estate of A. H. Weston, and occupied by F. F. Chancey, as a lodging-house. Cause, smoke from chimney. No fire. Flying Squadron responded.

BOX 15. Saturday, October 15, 7.32 A. M. Two-and-a-half-story tenement house, No. 73 Orange street, owned by Frank W. Griffin, and occupied by Rose Desrochers and others. Cause, breaking a lighted

lantern. Box pulled by citizen. Companies responding, Engines 1, 4, 5, Chemical, Hose 1, 2, Flying Squadron, Trucks 1, 5. Fire extinguished with chemical. Value of building, $4,000; damage, $25; insurance, $2,500; insurance paid, $25. No damage to contents.

STILL. Monday, October 17, 10 A. M. Two-and-a-half-story dwelling, No. 415 Pine street, owned by Joseph LaFlamme, and occupied by Mrs. ——— Odette. Cause, burning paper in stove. Flying Squadron responded.

Box 4. Monday, October 17, 9.31 P. M. One-story wooden building, No. 523 Elm street, owned by E. M. Slayton, and occupied by Gikas Bros. as a laundry. Slight fire among some clothes. Cause unknown. Box pulled by citizen. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Flying Squadron, Trucks 1, 3.

STILL. Tuesday, October 18, 3.35 P. M. Forest fire in Wilson Crossing endangering the railroad depot and farm buildings. Flying Squadron with nine men responded, covering the distance, eight miles, in twenty minutes, and saving buildings.

STILL. Wednesday, October 19, 3.15 P. M. Grass and brush fire in Derryfield park, corner of Bridge street and Mammoth road. Flying Squadron and members of Combination No. 2 and other companies responded. Used one pony extinguisher and one chemical tank.

STILL. Wednesday, October 19, 5.55 P. M. Chimney fire in wooden tenement block, No. 18 North Main street, owned by Frank P. Johnson, and occupied by several families. Members of Engine No. 2 responded with Combination wagon. Used two pony extinguishers.

STILL. Friday, October 21, 12.50 P. M. Hedge around the grounds of Mrs. William E. Buck, No. 324 Myrtle street. Flying Squadron responded. Used two pony extinguishers and one chemical tank.

STILL. Friday, October 21, 1.05 P. M. Brush fire in Derryfield park. Flying Squadron responded.

STILL. Friday, October 21, 1.15 P. M. Chimney fire in wooden tenement block, No. 54 Pearl street, owned by estate of Nason Hall, and occupied by Frank Laviere and others. Flying Squadron responded. Used one pony extinguisher.

STILL. Friday, October 21, 6.10 P. M. Brush fire in Derryfield park. Flying Squadron responded.

STILL. Saturday, October 22, 9.45 A. M. Derryfield park. False alarm. Flying Squadron responded, but could find no fire.

Box 6. Saturday, October 22, 10.35 P. M. Two-story wooden building, No. 917 Elm street, owned by Mrs. Mary J. Fogg, and occupied by J. E. Parant & Co. as an art store. Cause unknown. Companies responding, Engines 1, 4, Chemical, Hose 1, 2, Flying Squadron, Trucks 1, 5. Fire extinguished with Chemical. Value of building, $2,000; damage, $89.62; insurance, $2,000; insurance paid, $89.62. Value of contents, $1,000; damage, $193.66; insurance, $500; insurance paid, $193.66.

STILL. Sunday, October 23, 6.45 A. M. Rekindling of last evening's fire at 917 Elm street in art store of J. C. Parant & Co. Flying Squadron responded. Used one pony extinguisher.

BOX 6. Monday, October 24, 12.46 A. M. Three-story brick block, No. 924 Elm street, owned by the estate of John J. Bell of Exeter, N. H., and occupied by David N. Perkins, attorney. Fire started in a storage closet; cause unknown. Box pulled by Officer Graf. Companies responding, Engines 1, 4, Chemical, Hose 1, 2, Flying Squadron, Trucks 1, 5. Value of building, $35,000; damage, $637.34; insurance, $22,500; insurance paid, $637.34. Value of contents, $3,500; damage, $981; insurance, $1,500; insurance paid, $981.

STILL. Monday, October 24, 4.24 P. M. Freight car on side track on Turner street, owned by Boston & Maine Railroad, and loaded with cement blocks for J. M. Dolan. Flying Squadron responded. Used one chemical tank.

STILL. Wednesday, October 26, 10.25 A. M. Chimney fire in a cottage house, No. 122 Oakland avenue, owned and occupied by W. E. Warren. Members of Engine and Ladder Co. No. 3 responded. Used one pony extinguisher.

STILL. Wednesday, October 26, 2.30 P. M. Four-story brick building—the State Industrial School—owned by the state of New Hampshire, and situated on North River road. Cause, melting floorwax, and it boiled over. Flying Squadron responded. Extinguished by throwing the burning mass out of doors before the arrival of the apparatus.

STILL. Wednesday, October 26, 5.26 P. M. Chimney fire in two-story tenement block, No. 40 Merrimack street, owned by K. of P. syndicate, and occupied by several families. Flying Squadron responded. Used one pony extinguisher.

BOX 115. Thursday, October 27, 8.23 A. M. One-story wooden building, No. 130 Brook street, owned by estate of C. C. Babbitt, and occupied by James Kearns as a grocery store, known as Brook-street market. The fire originated in the basement, near the furnace, where it was wholly confined. Cause unknown. Box pulled by citizen. Companies responding, Engines 1, 5, Chemical, Hose 2, Flying Squadron, Truck 5. Value of building, $1,500; damage, $150; insurance, $1,000; insurance paid, $150. Value of contents, $2,500; damage, $500; insurance, $2,000; insurance paid, $500.

BOX 4. Saturday, October 29, 10.06 P. M. An ash chute in rear of No. 615 Elm street, owned by the heirs of Daniel Connor. Damage slight. Box pulled by an officer. Companies responding, Engines 1, 3, Chemical, Hose 1, 3, Flying Squadron, Trucks 1, 3.

BOX 4. Sunday, October 30, 11.02 A. M. Four-story brick block, No. 550 Elm street, owned by heirs of Daniel Connor, and occupied by several families. Cause, small dish of gasoline ignited, doing little (if any) damage. Box pulled by citizen. Companies responding, En-

gines 3, 4, Chemical, Hose 1, 3, Flying Squadron, Trucks 1, 3. No services required.

STILL. Sunday, October 30, 11.40 A. M. Chimney fire in brick tenement block, No. 11 Arkwright street, owned by Amoskeag Mfg. Co., and occupied by Elizabeth McCabe and others. Flying Squadron responded. Used two pony extinguishers.

STILL. Monday, October 31, 5.40 P. M. Three-story wooden dwelling, No. 416 Rimmon street, owned by Francis Paradis, and occupied by Olair Bergeron and others. Fire in closet. Cause unknown. Members of Engine and Ladder Company No. 6 responded. Used one pony extinguisher.

STILL. Monday, October 31, 5.45 P. M. Rags in cellar of dwelling, No. 621 Somerville street, owned by A. L. Southwick, and occupied by Joseph D. Sancoucie. Extinguished without assistance of department. Members of Engine Company No. 7 responded with hose wagon.

STILL. Tuesday, November 1, 6.35 P. M. Chimney fire in cottage house, No. 22 Winter street, owned by John McKelvie, and occupied by H. Brecault. Members of Engine No. 2 responded with Combination wagon. Used one chemical tank.

STILL. Wednesday, November 2, 3.55 P. M. Two-and-a-half-story tenement house, No. 443 Dubuque street, owned by T. J. Labrecque, and unoccupied. False alarm. Members of Engine and Ladder No. 6 responded, but could find no fire.

STILL. Thursday, November 3, 5.45 A. M. Two-and-one-half-story wooden block, No. 21 Amherst street, owned by Benjamin E. Thompson, and occupied by Richards & Thornton as a liquor saloon. Cause, dry boiler. Flying Squadron responded. No services required.

STILL. Friday, November 4, 1.45 P. M. Chimney fire in two-and-a-half-story dwelling, No. 507 Montgomery street, owned by Napoleon Lemire, and occupied by him and others. Members of Engine and Ladder Company No. 6 responded, with hose wagon. Used two pony extinguishers.

Box 53. Monday, November 7, 10.20 A. M. Two-and-a-half-story wooden building, No. 194 South Main street, owned and occupied by the Ranno Saddlery Co. for a harness manufactory. Cause, sparks from boiler setting fire to waste bin. No damage. Box pulled by Charles F. Jackson. Companies responding, Engines 2, 6, Hose 1, Flying Squadron, and Truck 6.

STILL. Monday, November 7, 2.07 P. M. Two-and-a-half-story brick club house (Derryfield club), No. 3 Water street, owned by Amoskeag Mfg. Co., and occupied by the Derryfield club. Cause, spontaneous combustion of soft coal in coal bin in the basement. No damage. Flying Squadron responded. Used one chemical tank.

Box 6. Monday, November 7, 11.53 P. M. Four-story brick block, Nos. 847-849 Elm street, owned by Otis Barton, and occupied by the

Barton Co. Dry and Fancy Goods store. Cause, electric wires in workroom on fourth floor. Companies responding, Engines 1, 4, Hose 1, 2, Trucks 1, 5. (Chemical in repair shop.) Value of building, $55,000; damage, $90; insurance, $25,000; insurance paid, $90. Value of contents, $100,000; damage, $622; insurance, $97,500; insurance paid, $622.

STILL. Tuesday, November 8, 6.30 A. M. Sheds at the concrete works on Donald street, owned and occupied by Robie Consolidated Concrete Co. Cause, overheated flue of pitch kettle. Members of Engine Company No. 2 responded with Combination wagon. No services required.

STILL. Wednesday, November 9, 6.07 P. M. Brush fire on Deer Neck road beyond the Massabesic pavilion, four and one-half miles from Central Station. Flying Squadron with detail of men responded.

STILL. Saturday, November 12, 2.55 P. M. Chimney fire in cottage house, No. 72 Winter street, owned and occupied by J. D. Mincanet. Members of Engine Company No. 2 responded with Combination wagon. Used one chemical tank.

STILL. Sunday, November 13, 12.25 P. M. Grass fire on Westland avenue, owned by Riverside Land Co. No damage. Hose Company No. 3 responded.

STILL. Sunday, November 13, 1.20 P. M. Grass fire in field near Amoskeag depot, west of North River road, owned by Harry G. Clough. Flying Squadron responded.

STILL. Tuesday, November 15, 7.40 A. M. Automobile at 747 Chestnut street, owned by Dudley D. Felton. Cause, back fire in carburetor. Members of Engine and Ladder Company No. 5 and Flying Squadron responded. Used two pony extinguishers and one chemical tank.

STILL. Wednesday, November 16, 12.05 A. M. Three-story brick building, No. 999 Elm street, owned by Halbert N. Bond and others, and occupied by Amoskeag Veterans as an armory. Cause, cigarette stub thrown by radiator pipe. Flying Squadron responded. Used one pony extinguisher.

Box 217. Thursday, November 17, 3.11 A. M. Cottage house, No. 408 Candia road, owned by Platts Bros. and occupied by Fred A. Platts. Cause, defective chimney. Box pulled by F. A. Platts. Companies responding, Engines 3, 7, Hose 2, Combination 2, Flying Squadron, Truck 3. Value of building, $4,500; damage, $598; insurance, $2,500; insurance paid, $598. Value of contents, $2,500; damage, $400; insurance, $600; insurance paid, $400.

STILL. Friday, November 18, 3.40 A. M. A wooden stable on Dearborn street, near Taylor, owned and occupied by McQuesten & Lewis. Baled shavings caught from some unknown cause. Members of Engine and Ladder Company No. 3 responded with hose wagon. Used one pony extinguisher.

STILL. Friday, November 18, 6.31 P. M. Chimney fire in cottage house at No. 830 Brown avenue, owned by city of Manchester, and occupied by Ed. Emerson. Hose Company No. 3 responded. Used one pony extinguisher.

STILL. Friday, November 18, 8.25 P. M. The two-story brick ell of the State Industrial School on North River road, owned and occupied by state of New Hampshire. Slight fire in boiler room. Members of Engine and Ladder Company No. 5 and Flying Squadron responded. Used two pony extinguishers and one chemical tank.

STILL. Saturday, November 19, 6.45 A. M. Chimney fire in two-story tenement house, No. 123 Amherst street, owned and occupied by Catherine Lynch. Flying Squadron responded. Used one pony extinguisher.

STILL. Saturday, November 19, 11.45 A. M. Chimney fire in two-and-a-half-story tenement house, No. 60 Cedar street, owned by Margaret Sheehan, and occupied by John Connor. Flying Squadron responded. Used one pony extinguisher.

STILL. Saturday, November 19, 2.30 P. M. Automobile at 297 Orange street, owned by Dr. A. Gale Straw. Cause, back fire in barburetor. Flying Squadron responded. Used one pony extinguisher.

STILL. Saturday, November 19, 4.15 P. M. Three-story flat roof tenement house, No. 406 North Main street, owned and occupied by Joseph N. Perreault. Flying Squadron responded. No services required.

STILL. Saturday, November 19, 5.20 P. M. Chimney fire in six-tenement wooden block, No. 5 Laurel avenue, owned by Ann McAllister, and occupied by James Frawley and others. Flying Squadron responded. Used one pony extinguisher.

STILL. Sunday, November 20, 7.15 A. M. Chimney fire in two-story wooden dwelling, No. 452 Chestnut street, owned by the estate of Samuel W. Parsons, and occupied by Nasha Bourque. Flying Squadron responded. No services required.

STILL. Sunday, November 20, 9.02 A. M. Chimney fire in two-story wooden dwelling, No. 100 Concord street, owned by Normand Bros., and occupied by Peter Kaleney. Flying Squadron responded. Used one pony extinguisher and one chemical tank.

BOX 53. Sunday, November 20, 10.47 A. M. Two-story wooden dwelling, No. 58 Winter street, owned by Charles J. Johnson, and occupied by Thomas Nassue. Cause, defective chimney. Box pulled by citizen. Companies responding, Engines 2, 6, Hose 1, Flying Squadron, Truck 6. Value of building, $1.800; damage, $41; insurance, $1,500; insurance paid, $41. Value of contents, $1,000; damage, $200; insurance, $700; insurance paid, $200.

BOX 62. Sunday, November 20, 11.11 A. M. A lace curtain in dwelling, No. 497 Brown avenue, owned and occupied by Philip Charron. Damage slight. Box pulled by citizen. Companies responding, En-

gines 1, 7, Hose 1, 3, Flying Squadron, Truck 3. No services required.

STILL. Sunday, November 20, 1.57 P. M. Grass fire on land of Timothy McKenna, between Nutt road and Boston & Lowell Railroad. Cause, sparks from Boston & Maine locomotive. Hose Company No. 3 responded. Used one pony extinguisher.

STILL. Sunday, November 20, 3 P. M. Brush fire on Coolidge avenue, on land owned by Amoskeag Mfg. Co. Members of Engine and Ladder Company No. 6 responded with hose wagon.

STILL. Monday, November 21, 7.45 P. M. An automobile at 77 Lowell street at the garage of the Fitz-Dillingham Co., and owned by them. Flying Squadron responded. Used one pony extinguisher and one chemical tank.

STILL. Tuesday, November 22, 7.15 P. M. Chimney fire in three-story tenement house, No. 406 North Main street, owned by Napoleon Perreault, and occupied by three families. Members of Engine and Ladder Company No. 6 responded with hose wagon. Used two pony extinguishers.

STILL. Friday, November 25, 2.45 P. M. Chimney fire in two-story brick (front) building, No. 923 Elm street, owned by heirs of A. W. Quint and occupied by Manchester Tea Store. Flying Squadron responded. No services required.

STILL. Sunday, November 27, 7 A. M. Chimney fire in cottage house, 581 Hanover street, owned and occupied by Frank P. Buswell. Combination No. 2 responded with Combination wagon. Used two pony extinguishers.

STILL. Sunday, November 27, 7.55 P. M. Chimney fire in two-story dwelling-house, No. 284 Sullivan street, owned by Arthur E. Eastman, and occupied by J. F. Sullivan and Jacob Luicha. Members of Engine Company No. 2 responded with Combination wagon. No services required.

BOX 323. Monday, November 28, 11.52 P. M. Two-story wooden dwelling, No. 284 Sullivan street, owned by Arthur E. Eastman, and occupied by Jacob Luicha and J. F. Sullivan. Cause, defective chimney. Box pulled by Jacob Luicha. Companies responding, Engines 2, 6, Hose 1, Flying Squadron, Truck 6. Value of building, $3,000; damage, $875; insurance, $2,000; insurance paid, $875. Value of contents, $1,150; damage, $330; insurance, $900; insurance paid, $273.95.

STILL. Tuesday, November 29, 1.46 P. M. Chimney fire in three-story wooden tenement block, No. 9 Orange street, owned by W. D. Young, and occupied by John Pokigo. Flying Squadron responded. Used two pony extinguishers.

STILL. Thursday, December 1, 4.20 P. M. Two-story brick schoolhouse, corner of Lowell and Chestnut streets, owned by the city of Manchester, and used as a Manual Training school. Cause, smoky stove. Flying Squadron responded.

STILL. Sunday, December 4, 9.30 A. M. False alarm. Three-story wooden shoe shop, No. 343 Kelley street, owned by the Rimmon Mfg. Co., and occupied by H. B. Reed & Co. Cause, short circuiting a thermostat by a workman. Members of Engine and Ladder Company No. 6 responded with hose wagon.

BOX 3. Sunday, December 4, 10.16 A. M. Three-and-a-half-story tenement block, Nos. 136-140 Willow street, owned by Freeman Higgins and F. B. Dennett and occupied by Ernest Martel and others. Cause, defective chimney. Box pulled by citizen. Companies responding, Engines 1, 7, Hose 1, 3, Flying Squadron, Trucks 1, 3. Value of building, $4,000; damage, $422; insurance, $2,500; insurance paid, $422. Value of contents, $800; damage, $75. No insurance.

STILL. Monday, December 5, 6 P. M. Chimney fire in four-story wooden tenement block, No. 223 Manchester street, owned by Mrs. Greenough Sanborn, and occupied by M. H. Stone and others. Flying Squadron responded. Used two pony extinguishers and one chemical tank.

STILL. Tuesday, December 6, 10.55 A. M. Four-story brick building, owned by Stark mills, and occupied by them as a picker-house, on north side of Bridge street, at McGregor bridge. Flying Squadron responded, but their services were not required.

STILL. Tuesday, December 6, 12.50 P. M. Tenement house at No. 243 East High street, owned by H. M. Moody, and occupied by Frank Stewart and others. Cause, thawing water pipes, ignited water-meter box. Hose Company No. 2 responded. Used two pony extinguishers.

STILL. Tuesday, December 6, 2.30 P. M. Chimney fire in two-story wooden tenement dwelling, No. 133 Manchester street, owned by Elizabeth Joyce, and occupied by Mary Houle. Responded to by Flying Squadron and after attending to this chimney on the return, attended to a chimney fire in four-story brick block, No. 83 Manchester street, owned and occupied by Joseph Quirin as wholesale liquor store. Used one chemical tank on the two chimneys.

STILL. Wednesday, December 7, 6.30 P. M. Chimney fire in three-story wooden dwelling-house, No. 218 Notre Dame avenue, owned by Celanire Trottier, and occupied by C. Trottier and others. Members of Engine and Ladder Company No. 6 responded with hose wagon. Used two pony extinguishers.

STILL. Thursday, December 8, 5.06 P. M. Chimney fire in three-story wooden block, No. 95 Central street, owned by Precourt & Quirin, and occupied by DesRochers & Vezina as grocery store. Flying Squadron responded. Used one chemical tank.

STILL. Friday, December 9, 11.12 A. M. Chimney fire in two-story dwelling, No. 67 Orange street, owned by Mrs. Emma Bond, and occupied by Mrs. Mary Woolman. Flying Squadron responded. Used one chemical tank.

STILL. Friday, December 9, 6.10 P. M. Chimney fire in two-story

wooden tenement block, No. 26 Concord street, owned by the Stark Corporation, and occupied by Mose Allard and others. Flying Squadron responded. No services required.

STILL. Friday, December 9, 7.10 P. M. Chimney fire in two-and-a-half-story tenement block, No. 334 Pine street, owned by Fred Walker, and occupied by Tom Clancy. Flying Squadron responded. Used one chemical tank.

STILL. Friday, December 9, 9.30 P. M. Three-story wooden dwelling house, No. 760 Somerville street, in process of building; owned by Mrs. ——— Belliveau. Cause, drying plastering. Members of Engine Company No. 7 responded with hose wagon. No services needed.

STILL. Saturday, December 10, 7.05 A. M. Three-story wooden tenement block, No. 154 Manchester street, owned by Charles Cheron, and occupied by Alisander Stancizak. Cause, thawing out water pipes. No services required.

STILL. Saturday, December 10, 4.52 P. M. Chimney fire in two-story wooden dwelling-house, No. 597 Chestnut street, owned by Amoskeag Mfg. Co., and occupied by Elliott C. Lambert. Flying Squadron responded. Used one pony extinguisher.

Box 131 for Box 4. Sunday, December 11, 10.28 A. M. Three-story flat-roof wooden building, Nos. 80-82 Lake avenue, owned by Rabbi Pinkus Schachter, and occupied by several families. Cause, thawing water pipes. Box pulled by citizen. Companies responding, Engines 3, 4, Hose 1, 3, Flying Squadron, Trucks 1, 3. Value of building, $2,500; damage, $700; insurance, $1,500; insurance paid, $700. Value of contents, $750; damage, $150; insurance, $400; insurance paid, $150.

STILL. Monday, December 12, 9.30 P. M. Chimney fire in two-tenement cottage house, No. 63 Brook street, owned by the estate of Dr. James F. Brown, and occupied by A. H. Wilson. Flying Squadron responded. Used one pony extinguisher.

Box 31. Monday, December 12, 9.37 P. M. One-story brick building, corner Canal and Hollis streets, owned by American Locomotive Co., and occupied by them as a blacksmith shop. Cause, overheating of "Babbit" furnace. Box pulled by watchman. Companies responding, Engines 1, 5, Hose 1, Flying Squadron, Truck 1, 5. Extinguished by chemicals. Value of building, $40,000; damage, $125; insurance (blanket); insurance paid, $125. No damage to contents.

STILL. Tuesday, December 13, 6 P. M. Chimney fire in two-story wooden tenement block, No. 5 Laurel street, owned by Rimmon Realty Co., and occupied by Patrick J. Donovan. Flying Squadron responded. Used one chemical tank.

STILL. Thursday, December 15, 11.48 A. M. A shelter tent on the Elliot Hospital grounds, owned by the hospital and used for sleeping quarters for the nurses. Cause of fire unknown. Flying squadron responded. Used one pony extinguisher and one chemical tank. Value of tent, $20; damage, $20. Value of contents, $60; damage, $50. No insurance on either.

STILL. Thursday, December 15, 7 P. M. Chimney fire in three-story wooden tenement block, No. 234 Chestnut street, owned by Mrs. Irene A. Wheat, and occupied by Peter Cosmere. Flying Squadron responded. No services required. While out to this they attended a chimney fire in the three-story wooden tenement block, No. 280 Pine street, owned by the estate of Ellen Kerins. Used one chemical tank.

STILL. Thursday, December 15, 10.15 P. M. Chimney fire in three-story wooden tenement block, No. 438 North Main street, owned by Alphonse Grenier, and occupied by three families. Members of Engine and Ladder Company No. 6 responded. Used one pony extinguisher.

STILL. Friday, December 16, 9.12 A. M. Chimney fire in wooden tenement block, No. 426 Second street, owned by B. J. Mack, and occupied by four families. Members of Engine No. 2 responded with Combination wagon. Used one chemical tank.

BOX 325. Friday, December 16, 3.25 P. M. Three-story wooden tenement house, No. 578 Hevey street, owned by Francois Lariviere, and occupied by Euclide F. Geoffrion, Joseph Goran, and Benjamin Lavalle. Cause, hot ashes. Box pulled by Philip Lavoie. Companies responding, Engines 2, 6, Hose 1, Flying Squadron, Truck 6. Value of building, $4,500; damage, $445; insurance, $3,500; insurance paid, $445. Value of contents, $800; damage, $125; insurance, $300; insurance paid, $125.

BOX 72. Friday, December 16, 5.35 P. M. Cottage house, No. 316 East Spruce street, owned by Mrs. Marceline Requier. Cause, a hot flatiron set bed on fire. Box pulled by citizen. Companies responding, Engines 1, 3, Hose 2, 3, Flying Squadron, Truck 3. Used one chemical tank. Value of building, $3,000; damage, $24; insurance, $2,500; insurance paid, $24. Value of contents, $500; damage, $10. No insurance.

STILL. Sunday, December 18, 10.55 A. M. Cottage house, No. 418 Chestnut street, owned by Joseph LaFlamme, and occupied by Henri Bouchard. Cause, rubbish in the cellar. Flying Squadron responded. Used two pony extinguishers and one chemical tank.

STILL. Wednesday, December 21, 10 A. M. Chimney fire in dwelling-house, No. 7 Foster avenue, owned by Fred A. Platts, and occupied by John McDonough. Engine Company No. 7 responded. Used one pony extinguisher.

STILL. Thursday, December 22, 1.15 A. M. Cottage house, No. 568 Beech street, owned and occupied by Joseph O. Tremblay. Flying Squadron responded, but upon their arrival they immediately pulled box 17.

BOX 17. Thursday, December 22, 1.25 A. M. Cottage house, No. 568 Beech street, owned and occupied by Joseph O. Tremblay. Cause, electric wires. Box pulled by W. G. Fraser. Companies responding,

Engines 3, 4, Hose 1, 2, Flying Squadron, Truck 3. Value of building, $7,000; damage, $3,000; insurance, $4,500; insurance paid, $3,000. Value of contents, $5,000; damage, $2,000; insurance, $2,500; insurance paid, $2,000.

STILL. Thursday, December 22, 8.37 P. M. Cottage house, No. 25 Linden street, owned by P. H. Connor, and occupied by W. C. Swallow. Cause of fire unknown. Only a mop and broom destroyed. Flying Squadron responded. Used one pony extinguisher.

STILL. Friday, December 23, 7.32 A. M. Four-story brick building on Willow street, owned by Cohas Building Co., and occupied by W. H. McElwain Shoe Co. Cause, blowpipe lamp. Hose Company No. 3 responded. Used one pony extinguisher.

STILL. Friday, December 23, 7.45 P. M. Three-story wooden tenement house, No. 148 Merrimack street, owned by Cavanaugh & Simpson, and occupied by Phelia Laroche. Cause, overturned oil stove. Damage, slight. Flying Squadron responded. Used one pony extinguisher.

Box 21. Saturday, December 24, 11.40 P. M. Three-story wooden block, No. 126 Merrimack street, owned by and occupied by Joseph Lube as a fruit and tobacco store. Cause, gas jet burning a small hole in sheathing over head. Box pulled by citizen. Companies responding, Engines 1, 3, Hose 1, Flying Squadron, Truck 3. Used two pony extinguishers. Value of building, $3,000; damage, $25; insurance, $1,000; insurance paid, $25. Value of contents, $800; damage, $137.50; insurance, $800; insurance paid, $137.50.

Box 21. Sunday, December 25, 4.32 P. M. Two-and-a-half-story tenement house, No. 108 Merrimack street, owned by Charles A. Brooks, and occupied by E. C. Dow and A. Bellmere. Cause, smoking in bed. Box pulled by citizen. Companies responding, Engines 3, 4, Hose 1, Flying Squadron, Trucks 1, 3, extinguished by chemical. Value of building, $2,200; damage, $30; insurance, $1,200; insurance paid, $18.40. Value of contents, $30; damage, $10. No insurance.

STILL. Sunday, December 25, 4.45 P. M. A "smoking" chimney in two-story wooden building, No. 159 South Main street, owned by George S. Eastman estate, and occupied by Annis & Co. for general merchandise. Members of Engine Company No. 2 responded with Combination wagon.

STILL. Monday, December 26, 1.05 A. M. Chimney fire in three-story wooden block, No. 415 Granite street, owned by C. S. Derby, and occupied by six families. Members of Engine No. 2 responded with Combination wagon. Used one pony extinguisher.

STILL. Thursday, December 29, 10.15 A. M. Mechanics hall, No. 35 Lowell street, owned by the heirs of Aretas Blood, and occupied by Daniel J. Gallagher for moving pictures. Cause, cigarette stub in box of rubbish. No damage. Flying Squadron responded. Used one chemical tank.

STILL. Thursday, December 29, 9.20 P. M. An automobile at 73 Lowell street, owned by Fitz-Dillingham Co. Cause, "back fire" in carburetor. Flying Squadron responded. Used one chemical tank.

STILL. Thursday, December 29, 11.20 P. M. Chimney fire in a one-story flat-roof wooden building, No. 113 Hanover street, owned by Michael Gilbert, and occupied by A. G. Hood as a florist store. Flying Squadron responded. Used one chemical tank.

STILL. Friday, December 30, 4.46 P. M. Chimney fire in four-story brick block, mansard roof (the Webster Block), 1280-1306 Elm street, owned by Edwin Kennedy and others, and occupied by Mrs. Mary Goodwin and others. Flying Squadron responded. Used one chemical tank.

STILL. Friday, December 30, 5.59 P. M. Chimney fire in four-story wooden tenement block, No. 585 Elm street, owned by Gordon Woodbury, and occupied by Archille Poisson and others. Flying Squadron responded. Used two pony extinguishers.

STILL. Saturday, December 31, 8.15 P. M. Chimney fire in three-story wooden block, No. 42 Church street, owned by Mrs. Alonzo H. Weston and occupied by A. Bergeron. Flying Squadron responded. Used one chemical tank.

Number of Alarms by Months.

	Bell.	Still.	Total.
January	7	17	24
February	8	22	30
March	6	39	45
April	19	47	66
May	8	26	34
June	5	12	17
July	12	20	32
August	12	9	21
September	10	12	22
October	16	40	56
November	6	30	36
December	8	34	42
	117	308	425

COMPANIES RESPONDING.

Months.	Engines.							Chemical.	Hose.			Comb'n 2.	Squad A.	Trucks.			
	1	2	3	4	5	6	7		1	2	3			1	3	5	6
January	5	0	5	2	2	1	1	12	5	3	3	0	....	4	5	2	0
February	4	3	4	2	1	3	2	10	7	2	2	1	....	4	3	1	3
March	3	0	6	1	1	0	4	10	2	3	11	2	....	1	5	0	0
April	5	7	6	8	4	6	5	20	5	5	11	6	....	4	8	2	6
May	4	2	4	3	1	2	3	11	7	3	5	2	....	4	4	1	2
June	2	3	1	3	1	2	0	8	5	4	0	0	....	3	2	1	2
July	7	2	5	4	4	2	2	12	8	4	5	4	....	5	7	3	2
August	7	1	2	6	4	1	2	14	8	4	4	1	....	8	4	6	1
September	3	4	5	5	1	3	0	14	8	1	3	0	....	3	5	1	3
October	11	1	7	9	5	1	2	15	12	8	9	1	42	12	9	6	1
November	2	3	1	1	0	3	2	*0	5	2	4	2	22	1	2	1	3
December	4	1	5	3	1	1	2	*0	7	3	4	0	31	5	6	1	1
	57	27	51	47	25	25	25	126	79	42	61	19	95	54	60	25	24

Estimated Value of Property.

Engine No. 1.

LOCATED ON VINE STREET.

1 first-size Amoskeag steamer	$4,000.00
1 one-horse wagon	400.00
3 horses for steamer	775.00
1 gray horse for hose wagon	200.00
4 swinging harnesses	200.00
1 pair double exercise harnesses	50.00
1 single exercise harness	40.00
2,400 feet of fabric hose	1,080.00
Stable fixtures, blankets, etc	80.00
Tools, furniture, and fixtures	200.00
Firemen's suits and badges	125.00
Total amount	$7,150.00

* In repair shop.

Engine No. 2.

LOCATED ON NORTH MAIN STREET, 'SQUOG.

1 second-size Amoskeag steamer	$4,000.00
1 Combination Chemical and hose wagon	1,700.00
1 exercise wagon, poles, shafts, and three-horse hitch	250.00
3 horses for steamer	600.00
1 pair horses for hose wagon	400.00
3 exercise harnesses, 2 at $40, 1 at $20	100.00
5 swinging harnesses	250.00
1 double sled	60.00
3,850 feet of fabric hose	1,730.25
Stable fixtures and blankets	94.00
Furniture, fixtures, carpets, etc	466.00
Firemen's suits and badges	125.00
Total amount	$9,775.25

Engine and Ladder No. 3.

LOCATED ON LAKE AVENUE, CORNER MASSABESIC STREET.

1 first-size Amoskeag steamer	$4,750.00
1 two-horse hose wagon	400.00
1 three-horse truck and equipments	1,900.00
3 horses for steamer	550.00
1 pair bay horses for hose wagon	400.00
3 horses for truck	600.00
4 exercise harnesses	180.00
8 swinging harnesses	400.00
2,800 feet of fabric hose	1,260.00
Stable fixtures, blankets, etc	80.00
Beds, bedding, carpets, hall furniture, etc	575.00
Firemen's suits and badges	150.00
1 exercise wagon	250.00
Total amount	$11,495.00

Engine No. 4.

LOCATED ON VINE STREET.

1 first-size Amoskeag steamer	$4,200.00
1 hose wagon	400.00

3 horses for steamer	$600.00
1 horse for wagon	150.00
4 exercise harnesses	60.00
4 swinging harnesses	200.00
2,000 feet of fabric hose	900.00
Hall furniture, beds, bedding, etc	275.00
Stable fixtures and blankets	75.00
Firemen's suits and badges	125.00
Total amount	$6,985.00

Engine and Ladder No. 5.

LOCATED ON WEBSTER STREET, CORNER CHESTNUT.

1 third-size Amoskeag steamer	$3,600.00
1 two-horse rubber-tired hose wagon	760.00
1 steel frame ladder truck	1,650.00
1 pair bay horses for steamer	400.00
1 pair bay horses for truck	400.00
1 pair horses for hose wagon	525.00
1 exercise wagon	325.00
1 double sled	50.00
1 single sled	25.00
6 swinging harnesses	300.00
2 pairs exercise harnesses	100.00
2,800 feet of fabric hose	1,260.00
Bedding, furniture, tools, etc	307.00
Stable fixtures, blankets, etc	120.00
Firemen's suits, badges, etc	150.00
Total amount	$9,972.00

Engine and Ladder No. 6.

LOCATED AT CORNER AMORY AND RIMMON STREETS.

1 second-size Amoskeag steamer	$3,500.00
1 hook-and-ladder truck (with Bangor extension)	1,680.00
1 two-horse rubber-tired hose wagon	760.00
1 exercise wagon	290.00
2 gray horses for steamer	300.00
2 bay horses for truck	267.00
2 horses for hose carriage	450.00

6 swinging harnesses	$300.00
2,000 feet of fabric hose	900.00
Hall furniture, carpets, beds, bedding, etc	475.00
Stable fixtures, blankets, etc	85.00
Firemen's suits and badges	150.00
Total amount	$9,157.00

Engine No. 7.

LOCATED ON SOMERVILLE STREET.

1 second-size Amoskeag steamer	$3,500.00
1 two-horse rubber-tired hose wagon	760.00
1 exercise wagon	325.00
3 horses for steamer	850.00
2 horses for hose wagon	575.00
5 swinging harnesses	250.00
2,000 feet of fabric hose	900.00
Furniture, fixtures, etc	575.00
Stable fixtures, blankets, etc	90.00
Firemen's suits and badges	125.00
Total amount	$7,950.00

Hose No. 1.

LOCATED ON VINE STREET.

1 two-horse rubber-tired hose wagon	$760.00
2 horses	600.00
2 swinging harnesses	100.00
1 set Hobbs' runners	90.00
1 hose sled	20.00
2,450 feet of fabric hose	1,102.50
Furniture, fixtures, beds, bedding, etc	300.00
Stable fixtures and blankets	50.00
Firemen's suits and badges	100.00
Total amount	$3,122.50

Hose No. 2.

LOCATED ON MAPLE STREET, CORNER OF EAST HIGH.

1 two-horse hose wagon	$600.00
2 bay horses	500.00

2 swinging harnesses	$100.00
1 exercise wagon	325.00
1,950 feet of fabric hose	877.50
Furniture, fixtures, beds and bedding	150.00
Firemen's suits and badges	100.00
Total amount	$2,652.50

Hose No. 3.

LOCATED ON SOUTH ELM STREET, BAKERSVILLE.

1 combination hose wagon (with ladders)	$1,000.00
1 pair gray horses	100.00
1 pair swinging harnesses	100.00
1 pair exercise harnesses	50.00
1 exercise wagon	260.00
2,000 feet of fabric hose	900.00
Furniture, fixtures, bedding, etc	85.00
Stable fixtures, blankets, etc	65.00
Firemen's suits and badges	80.00
Total amount	$2,640.00

Combination Hose and Chemical No. 2.

LOCATED ON WESTON STREET, CORNER OF CONCORD.

1 combination chemical and hose wagon	$1,700.00
2 bay horses	550.00
2 swinging harnesses	100.00
1 exercise wagon	250.00
1,900 feet of fabric hose	855.00
Furniture, fixtures, bedding, etc	482.00
Stable fixtures and blankets	50.00
Firemen's suits and badges	80.00
Total amount	$4,067.00

Hook and Ladder Company No. 1.

LOCATED ON VINE STREET.

1 aërial hook-and-ladder truck	$4,200.00
3 horses	600.00
3 exercise harnesses	75.00

3 swinging harnesses	$150.00
2 extra Bangor extension ladders	360.00
3 rubber blanket covers	72.00
Furniture and fixtures	200.00
Beds, bedding and furniture	75.00
Stable fixtures and blankets	60.00
Firemen's suits and badges	150.00
Total amount	$5,942.00

Chemical Engine No. 1.

LOCATED ON VINE STREET.

1 double tank (60 gallons each) engine, rubber-tire	$2,500.00
1 pair bay horses	500.00
1 pair exercise harnesses	50.00
1 pair swinging harnesses	100.00
Furniture and fixtures	100.00
Stable fixtures and blankets	50.00
Firemen's suits and badges	35.00
Total amount	$3,335.00

Squad A, Auto-Combination.

LOCATED ON VINE STREET.

Automobile combination wagon	$5,500.00
600 feet fabric hose	270.00
Firemen's "fire" suits and badges	80.00
2 extra rubber tires	200.00
Beds, bedding and furniture	250.00
Total amount	$6,300.00

Supply Wagon.

1 supply wagon, with coal boxes	$250.00

Exercise Wagon.

AT CENTRAL STATION, VINE STREET.

1 four-wheeled exercise wagon with pole, shafts, three-horse hitch, and coal boxes	$250.00

Spare Hose Carriages and Hose.

2 one-horse hose carriages (spare)	$300.00
1,200 feet old hose for relining	240.00
300 feet new hose	216.00
Total amount	$756.00

E. W. Harrington Steam Fire Engine.

STORED AT SHEDS OF ENGINE NO. 2.

Old U tank Amoskeag engine (worth for exchange)	$200.00

Engineers' Department.

1 bay horse	$325.00
1 chief's wagon	275.00
1 swinging harness	37.00
5 engineers' white rubber coats	37.50
5 engineers' lanterns	20.00
Blanket, robe, etc	25.00
Furniture and fixtures	150.00
Total amount	$869.50

Riverside Hose Company No. 5.

LOCATED AT CORNER OF OLD FALLS ROAD AND FRONT STREET.

1 four-wheeled hose carriage	$150.00
400 feet of leather hose	100.00
800 feet of fabric hose	240.00
2 hose-pipes, spanners, etc	40.00
Furniture and fixtures	10.00
Total amount	$640.00

Hallsville Hose Company No. 6.

LOCATED AT CORNER OF MAMMOTH ROAD AND MASSABESIC STREET.

1 four-wheeled hose carriage	$200.00
500 feet of fabric hose	150.00
Nozzle, wrenches, etc	15.00
Total amount	$365.00

Goff's Falls Hose Carriage.

LOCATED AT DEVONSHIRE MILLS.

1 two-wheeled hose carriage	$150.00
800 feet fabric hose	576.00
2 hosepipes	10.00
Total amount	$736.00

Sleeping Hall.

AT CENTRAL STATION, VINE STREET.

Beds, bedding, wardrobe, etc	$100.00

Extra Horses.

1 black horse	$300.00
1 gray horse	150.00
Total amount	$450.00

Fire Alarm Telegraph.

At cost, including additions	$23,550.00
Remodeling in 1885	6,000.00
"Individual tapper" system	4,000.00
Boxes and wire added in 1907	1,000.00
Storage battery	1,850.00
Switch protector board	175.00
Wire brackets and tools	400.00
Boxes and wire added in 1908-09-11	775.00
Repair wagon	150.00
Total amount	$38,100.00

Recapitulation.

Engine Company No. 1	$7,150.00
Engine Company No. 2	9,775.25
Engine and Ladder Company No. 3	11,495.00
Engine Company No. 4	6,985.00
Engine and Ladder Company No. 5	9,972.00
Engine and Ladder Company No. 6	9,157.00
Engine Company No. 7	7,950.00
Hose Company No. 1	3,122.50

Hose Company No. 2	$2,652.50
Hose Company No. 3	2,640.00
Combination Hose and Chemical No. 2	4,067.00
Hook and Ladder (Aërial) Company No. 1	5,942.00
Chemical Engine Company No. 1	3,335.00
Automobile-Combination, "Squad A"	6,300.00
Supply Wagon	250.00
Exercise Wagon (Central Station)	250.00
Spare Hose Carriages and Hose	756.00
Old "E. W. Harrington" Steamer	200.00
Engineer's Department	869.50
Riverside Hose Company	640.00
Hallsville Hose Company	365.00
Goffe's Falls Hose Company	736.00
Sleeping Hall (Central Station)	100.00
Extra Horses	450.00
Fire-alarm Telegraph	38,100.00
	$133,259.75

BOARD OF ENGINEERS.

Badge No.	Name.	Rank.	Occupation.	Residence.
1	Thomas W. Lane	Chief	Chief engineer	1937 Elm.
3	Arthur Provost	Assistant	Wool-sorter	526 Notre Dame av
4	Thomas F. Fitzsimmons	"	Painter	258 Notre Dame av
5	Edwin W. Merrill	"	Merchant	166 Blodget.
2	Geo. H. Hammond	"	Contractor	278 Merrimack.

SUPERINTENDENT OF FIRE ALARM.

Charles H. French. Residence, 475 Hanover Street.

ENGINE COMPANY No. 1.

House, 28 Vine Street.

Badge No.	Name.	Rank.	Occupation.	Residence.
18	George A. Cann	Captain	Permanent Capt.	19 Pleasant.
15	George F. Millar	Lieutenant	Gasfitter	15 Blodget.
19	Nat A. Sargent	Clerk	Merchant	435 Amherst.
6	Charles F. Hall	Engineer	Engineer	146 Orange.
7	George L. Booth	Asst. engineer	Machinist	21 Water.
11	Frank E. Nute	Driver engine	Teamster	425 Merrimack.
12	Clarence E. Kemp	Driver hose	"	645 Union.
17	Melvin Walker	Hoseman	Carpenter	6 Canal.
10	Stanley H. Patten	"	Tinsmith	1275 Elm.
13	George E. Boulton	"	Gardener	753 Union.
16	Harry E. Belknap	"	Carpenter	530 Wilson.

ENGINE COMPANY No. 2.

House on North Main Street, 'Squog.

Badge No.	Name.	Rank.	Occupation.	Residence.
76	Jeremiah Lane	Captain	Permanent Capt.	210 No. Main.
77	William Arnold	Lieutenant	Barber	17 So. Main.
67	Archibald A. Gorham	Clerk	Machinist	50 Barr.
120	Charles Edgar	Engineer	Permanent	40 Market.
119	Stephen Thomes	Asst. engineer	Carpenter	55 Douglas.
72	Thomas F. Collins	Driver of engine	Teamster	28 Second.
69	Clarence A. Whitcomb.	Driv. combin't'n	"	66 No. Main.
68	James E. Perrigo	Hoseman	Foreman	66 School.
71	John W. Gott	"	Wool-sorter	53 Douglas.
75	Ernest R. Whitcomb	"	Wool-sorter	66 No. Main.
74	Oscar G. Lagerquist	"	Clerk	72 Second.

ENGINE AND LADDER COMPANY No. 3.

House on Lake Avenue, corner of Massabesic.

Badge No.	Name.	Rank.	Occupation.	Residence.
86	Frank F. Porter	Captain	Permanent Capt	330 E. Spruce.
97	Edwin C. Paul	Lieut. of truck	Collector	452 Lake ave.
150	William T. Winslow	" engine	Shoe-cutter	422 Lake ave.
88	George Taylor	Clerk	Mechanic	456 Lake ave.
122	John P. Walker	Engineer	Machinist	403 Hall.
80	Clarence Hackett	Asst. engineer	Laundryman	410 Belmont.
105	Herbert E. Dunbar	Driver of engine	Teamster	366 Lake ave.
81	John T. Duncan	Driver of hose	"	384 Spruce.
82	Lyman W. Piper	Driver of truck	"	398 Merrimack.
89	Parker R. Brown	Fireman	Grain-dealer	422 Merrimack.
85	Fred H. Cate	"	Teamster	601 Cedar.
121	Arthur S. Brown	"	Grain dealer	308 Lake ave.
148	Alfred F. Eaton	"	Reporter	260 Laurel.
84	George L. Slack	"	Salesman	141 Massabesic.
98	William B. Blake	"	Health officer	265 Cypress.
87	Christopher J. Cruise	"	Merchant	429 Central.
79	Harry J. Smith	"	Clerk.	447 Spruce.
78	Leslie W. Dolloff	"	Bookkeeper	429 Central.
43	Frank C. Curtis	"	Laundryman	461 Lake ave.
114	Charles H. Day	"	Grocer	522 Central.

ENGINE COMPANY No. 4.

House, No. 20 Vine Street.

Badge No.	NAME.	Rank.	Occupation.	Residence.
28	Frank A. Pherson	Captain	Permanent Capt.	20 Vine.
33	Thomas W. Lane, Jr	Lieutenant	Electrician	20 Malvern.
23	George Thompson	Clerk	Clerk	85 Salmon.
21	Walter Morse	Engineer	Machinist	20 Vine.
27	Edward Sargent	Asst. Engineer	"	73 Amherst.
31	Emil H. Smith	Driver of engine	Teamster	20 Vine.
37	Henry C. Parsons	Driver of hose	"	20 Vine.
22	Walter A. Clarkson	Hoseman	Carpenter	301 Walnut.
26	Louis E. Way	"	Machinist	20 Vine.
24	Adams L. Greer	"	Piano Dealer	76 Lowell.
20	Harry L. Hawley	"	Painter	599 Union.

ENGINE AND LADDER COMPANY No. 5.

House, No. 44 Webster Street.

Badge No.	Name.	Rank.	Occupation.	Residence.
161	Irving S. Bryant.	Captain.....	Permanent Captain	884 Union.
46	Woodbury Davison.....	Lieut. truck	Carpenter	34 Prospect.
49	Charles W. Brown	Lieut. engine.....	Clerk	95 Harrison.
108	Edwin L. Towle.....	Clerk	Salesman.....	71 N. Adams.
102	Joseph H. Gould.....	Engineer.....	Permanent.....	762 Beech.
30	James C. Newton.... ...	Asst. engineer....	Machinist	93 Blodget.
134	Alphonso E. Foster.....	Driver engine....	Teamster.....	459 Hevey.
124	Benjamin C. Cann	Driver truck.....	"	19 Pleasant.
57	Ellsworth V. Rowe.....	Driver hose.....	"	313 Walnut.
158	Andrew S. Fantom.....	Hoseman.....	Cigar-maker.....	167 Brook.
101	Charles W. Warner.....	"	Electrician	75 Sagamore.
126	Edwin M. Dorney	"	Tinsmith	254 Walnut.
41	Max Hawkins.....	"	Grocer	417 Walnut.
159	Charles E. Longa.....	"	Electrician.....	10 N. Adams.
160	Maurice Hoffman.....	"	Tailor.....	321 Walnut.
42	Arthur S. Hamilton.....	"	Painter.....	60 Appleton.
95	William W. Cupples.....	"	Clerk.....	54 Appleton.
47	Wilbur M. Gilman	"	Piper.....	30 Brook.
123	George W. Upton.... ...	"	Electrician	297 Walnut.
162	George A. Whitten	"	Clerk.	54 Appleton.

ENGINE AND LADDER COMPANY No. 6.

House on Amory and Rimmon Streets.

Badge No.	Name.	Rank.	Occupation.	Residence.
141	Mederique R. Maynard.	Captain..... ...	Permanent Capt ..	302 Cartier.
147	James A. Farley.....	Lieut. engine ...	Machinist	385 Dubuque.
146	Toussaint Tremblay	Lieut. truck	Carpenter.....	143 Wayne.
145	John E. Herring	Clerk	Loom-fixer	589 Main.
132	Toby Lemay	Engineer	Machinist	464 Cartier.
131	Arthur J. Provost	Asst. Engineer ..	Wool-sorter.....	516 Notre Dame ave.
134	Albert M. Tuson.....	Driver of engine	Teamster	Engine-house.
140	John H. Cote.....	Driver hose.....	"	"
142	Frank St. John..... ..	Driver truck	"	"
128	John H. McCabe.....	Hoseman	Plumber.	310 No. Main.
130	Calvin Brinn.....	"	Loom-fixer	356 Rimmon.
136	Roumelt Cote	"	Plumber	291 Dubuque.
139	Henry Klaubert.....	"	Second-hand	25 Schuyler.
143	William Broderick.....	"	Loom-fixer	513 Rimmon.
144	John Montplaisir.....	"	Clerk	434 Dubuque.
137	John J. Lyons.....	"	Loom-fixer.....	17 Columbus.
135	Patrick J. O'Connell....	"	Painter	334 No. Main.
129	Philip Cote	"	Baker.....	335 Cartier.
133	Francois X. Gagne	"	Carpenter	291 Bartlett.
138	John A. Gemmel	"	Clerk	27 Adams.

ENGINE COMPANY No. 7.

House, Somerville Street.

Badge No.	Name.	Rank.	Occupation.	Residence.
170	James J. Collins	Captain	Permanent Capt.	767 Somerville.
171	William L. Comire	Lieutenant	Harnessmaker	22 Lingard.
172	John W. Chapman	Clerk	Plumber	890 Clay.
173	Fred S. Morrill	Engineer	Permanent	136 Hall
174	Louis Ross	Asst. Engineer	Loomfixer	746 Hayward.
175	Arthur Hebert	Driver engine	Permanent	645 Somerville.
176	George N. Rogers	Driver hose	"	173 Taylor.
177	Charles J. Beliveau	Hoseman	Shoemaker	931 Hayward.
178	Henry W. Barnard	"	Carpenter	213 Jewett.
179	Albert L. Worthen	"	Plumber	1005 Cilley road.
180	James J. Long	"	Dresser	247 Grove.

CHEMICAL ENGINE COMPANY No. 1.

House, 8 Vine Street.

Badge No.	Name.	Rank.	Occupation.	Residence.
115	Hervey E. Harris	Captain	Permanent Captain	316 Amherst.
116	Clarence D. Palmer	Clerk	Marble dealer	537 Union.
185	Robert H. Duncan	Driver	Permanent	152 Pearl.
117	Carroll A. Currier	Fireman	Meter-man	390 Hanover.

HOSE COMPANY No. 1.

House, No. 26 Vine Street.

Badge No.	Name.	Rank.	Occupation.	Residence.
64	Melvin W. Worthen	Captain	Permanent Capt.	69 Ash.
36	Alfred Firth	Lieutenant	Engineer	4 Derry.
53	Leon H. French	Clerk	Electrician	39 Water.
29	Charles H. Rogers	Driver	Teamster	26 Vine.
48	Albert A. Puffer	Hoseman	"	499 Beech.
34	Harry Barrett	"	Machinist	26 Vine.
50	Charles H. Skinner	"	Car Inspector	84 Ashland.
52	George O. Harvey	"	Carpenter	2 Canal.

HOSE COMPANY No. 2.

House on Maple Street, corner East High.

Badge No.	Name.	Rank.	Occupation.	Residence.
64	Roscoe Dyer	Captain	Permanent Capt.	525 Maple.
55	Revilo G. Houghton	Lieutenant	Gas-fitter	337 Lowell.
54	Thomas P. Burnap	Clerk	"	80 Arlington.
57	Benjamin R. Richardson	Driver	Teamster	525 Maple.
58	Thomas Smith	Hoseman	Carpenter	24 South.
56	Fred W. Corey	"	Needle-maker	497 Maple.
65	Walter Seaward	"	Carpenter	54 Arlington.
59	Frank G. Miller	"	Gas-fitter	246 E. High.

HOSE COMPANY No. 3.

House, South Elm Street.

Badge No.	Name.	Rank.	Occupation.	Residence.
51	Clarence R. Merrill	Captain	Permanent Capt.	414 Merrimack
157	Clarence D. Hardy	Lieutenant	Trainman	34 Elm ave.
156	Ernest E. Austin	Clerk	Electrician	43 Welch ave.
152	Frank W. Tebbetts	Driver	Permanent	7 Elm.
154	William P. Hall	Hoseman	Sash-maker	39 Elm.
153	James H. McKenzie	"	"	72 So. Elm.
151	Forrest M. Laraba	"	Laundryman	102 Baker.
155	William E. Geer	"	"	20 Cheney pl.
163	Celon D. Stevens *	Driver	Teamster	164 Calef road.

HOOK AND LADDER COMPANY No. 1.

House, 18 Vine Street.

Badge No.	Name.	Rank.	Occupation.	Residence.
110	Albert W. Smith	Captain	Permanent Captain	42 Elm.
92	Oscar P. Stone	Lieutenant	Clerk	312 Manchester.
112	Frank M. Frisselle	Clerk	Editor	713 Chestnut.
94	Asa W. Gage	Driver	Teamster	18 Vine.
163	Lorenzo D. H. Ford	Tillerman	"	18 Vine.
100	William P. Jones	Fireman	Steam-fitter	415 Lake av.
113	Lewis Swanson	"	Carpenter	42 Water.
106	Ernest E. Johnson	"	Gas employee	283 Myrtle.
109	Frederick Marsh	"	Carpenter.	7 Water.
91	Alfred C. Lamper	"	Gas employee	53 Jane.
107	Charles H. Berhart	"	Steam-fitter	18 Vine.
93	Joseph Stewart	"	Carpenter	160 Concord.

* Detailed as spare driver.

COMBINATION COMPANY No. 2.

Wilson Hill, corner Weston and Concord Streets.

Badge No.	Name.	Rank.	Occupation.	Residence.
164	Alfred Gustafson	Captain	Permanent Capt.	Concord and Weston.
166	Joseph W. Lindsay	Lieutenant	Tinsmith	333 Pearl.
127	Michael J. Bradley	Clerk	Gasfitter	125 Ashland.
167	Henry C. Crosby	Driver	Teamster	465 E. High.
168	Angus McDonald	Hoseman	Blacksmith	427 Laurel.
40	William Anderson	"	Mill operative	465 E. High.
169	Gardner E. Marston	"	Plumber	3 Morrison.
165	Thomas A. Reed	"	Painter	699 Beacon.
44	Albert W. Tucker*	"	Teamster	18 Brown ave.

SQUAD A.—AUTOMOBILE COMBINATION.

House, 16 Vine Street.

Badge No.	Name.	Rank.	Occupation.	Residence.
14	Frank H. Harvey	Captain	Permanent Capt.	359 Concord.
96	Edwin E. Quimby	Lieutenant	"	286 Laurel.
187	John J. Healy	Clerk	"	336 Lake ave.
184	Paul A. Claus	Chauffeur	"	New Mast Road.
99	Will G. Fraser	Asst. Chauffeur	"	490 Pine
188	Martin F. Kenney	Hoseman	"	632 Main.
35	Louis Loiselle	"	"	418 Merrimack.
90	Harry G. Hall	"	"	852 Elm.

*Detailed as driver of supply wagon.

REPORT

OF THE

ENGINEER'S DEPARTMENT.

REPORT OF THE ENGINEER'S DEPARTMENT.

MANCHESTER, N. H., December 31, 1910.

To the Honorable Mayor and City Councils:

GENTLEMEN:—The thirty-second annual report of the engineer's department is herewith submitted, showing the expenditures and operations for the year ending December 31, 1910.

ORGANIZATION.

SAMUEL J. LORD, *Chief Engineer of the City.*
GEORGE W. WALES, *First Assistant Engineer.*
HARRIE M. YOUNG, *Chief Clerk.*

Assistants: Alfred T. Dodge, instrument man; Henry A. Worthen, instrument man; Harold M. Haskell, draughtsman (from April 29); Lawrence A. O'Connor, rodman; John J. McAllister, Jr., assistant clerk (stenographer and typewriter); Glen B. Eastman, rodman; Frank L. McAllister, assistant clerk; Harry B. Dorr, instrument man (May 2 to September 20); Edson W. Keith, instrument man (May 5 to September 20); Charles E. Hammond, draughtsman (August 25 to November 26); Harry T. George, rodman (October 13 to November 26); Horace Wyman, rodman (June 21 to September 10); Mark Farmer, rodman (October 29 to November 22); Harold L. Davis, rodman (June 27 to August 27); Royden E. Reed, rodman (August 24 to September 3); Omer G. Coffin, assistant clerk (September 22 to November 26); Harry Stevens, assistant clerk (September 26 to November 26); Harrie H. Clement, assistant clerk (from December 12).

FINANCIAL.

HEATH'S SHOE STORE.

1909.		
July 23.	To 1 pair of rubber boots.....	$4.50

JOHN WILEY & SONS..

1910.		
Jan. 1.	To Searles, field engineering.....	$2.50

IDEAL STAMP CO.

1910.		
Jan. 8.	To 1 No. 3 printing outfit.....	$1.00

A. L. BERGER & SONS, BOSTON, MASS.

1910.			
Jan. 12.	To repairing, cleaning and adjusting one Berger Engineer's leveling instrument, 18½ hours labor and C. O. D.....	$11.10	
	express charges paid when returned	.40	
			$11.50
Feb. 23.	To repairing, cleaning and adjusting one Berger, No. 865, Engineer's transit instrument as per memorandum enclosed:		
	13½ hours labor @ 60c per hour	$8.10	
	express charges paid when returned	.45	
	express charges paid when transit and level were received	.90	
			$9.45

LOUIS D. RICHARDSON, PROVIDENCE, R. I.

1910.		
Jan. 22.	To 1 metal tape grip.....	$0.85

NEW ENGLAND TELEPHONE & TELEGRAPH COMPANY.

1910.			
Jan. 22.	To exchange service, including rental of telephone for 1 month ending December 31, 1909		$2.08
Feb. 26.	To exchange service, including rental of telephone for one month ending January 31, 1910		$2.08
Mar. 26.	To exchange service, including rental of telephone for 1 month ending February 28, 1910		$2.09
Apr. 23.	To exchange service, including rental of telephone for 1 month ending March 31, 1910		$2.09
May 1.	To exchange service, including rental of telephone for 1 month ending April 30, 1910.....	$2.09	
	tolls charged at engineer's office (April 17, Concord 68)	.15	
			$2.24

June 25.	To exchange service, including rental of telephone for 1 month ending May 31, 1910			$2.08
July 23.	To exchange service, including rental of telephone for 1 month ending June 30, 1910			$2.08
Aug. 24.	To exchange service, including rental of telephone for 1 month ending July 31, 1910.....		$2.08	
	tolls charged at engineer's office (1066):			
	June 29, B. & A.....	$0.45		
	July 20, Suncook (24-2)	.10		
			.55	
	balance of bills previously rendered		.15	
				$2.78
Sept. 24.	To exchange service, including rental of telephone for 1 month ending August 31, 1910			$2.08
Oct. 22.	To exchange service, including rental of telephone for 1 month ending September 30, 1910			$2.08
Nov. 26.	To exchange service, including rental of telephone for 1 month ending October 31, 1910			$2.08
Dec. 24.	To exchange service, including rental of telephone for 1 month ending November 30, 1910...		$2.08	
	To toll call (Winchester 235-1)....		.40	
	To toll call (Concord 170).....		.05	
	To toll call (Boston, 6476 Main)...		.25	
				$2.78

REMINGTON TYPEWRITER CO., BOSTON, MASS.

1910.		
Jan. 20.	To repairing machine 8-34696.....	$16.74

TEMPLE & FARRINGTON CO.

1910.				
Jan. 25.	To binding time book for 1909.....			$0.85
Mar. 28.	To binding 1 vol. Committee on Sewers, 1909		$0.85	
	binding 1 vol. Committee on Streets, 1909		.85	
				1.70

W. & L. E. GURLEY, NEW YORK.

1910.			
Jan. 21.	To repairing and adjusting 20″ Y level, No. 2541, repairing spindle and socket, repairing leveling screws, repairing telescope slides, new pinion part for object slide.....	$12.00	
	express to and from Troy, N. Y.	1.65	
			$13.65

MELVIN & FITTS.

1910.			
Feb. 9.	To 100 No. 406 cap size pasteboard guides with metal label holders printed	$7.85	
	200 No. 406 cap size pasteboard guides with metal label holders printed	15.70	
			$23.55
Apr. 5.	To 3 sets 8x5 25 Div. indexes.....		$1.20
May 24.	To paper fasteners.....	$1.00	
	100 8x5 guides	1.36	
June 13.	To 2 boxes ring clips.....	.20	
			$2.56

TECHNICAL SUPPLY CO., NEW YORK.

1910.			
Feb. 10.	To 1 No. 4507 Odometer.....		$4.50

FRANK L. GEIGER.

1910.			
Mar. 9.	To one belt punch for paper plans.....		$2.50

CHAS. A. HOITT CO.

1910.			
Mar 18.	To repairing one shade.....	$0.25	
	1 bracket	.15	
			$0.40

E. G. SOLTMANN, NEW YORK CITY.

1910.			
Apr. 2.	To 1 50-ft. Little Phenix tape.....	$2.95	
	2 100-ft. Chesterman steel tapes	17.50	
	2 doz. Emerald rubbers @ 50c	1.00	
	1½ doz. bottles Higgins' ink @ $2.25	3.38	

Apr. 2.	To 1,000 rivets	$1.25	
	4 lbs. stake tacks	1.50	
	1 roll blueprint paper	2.00	
	½ doz. Cornet erasers	.50	
	½ doz. sandpaper pads	.60	
	expressage	.70	
		$30.88	
	By credit on December, 1909, bill	.60	
			$30.28
July 16.	To 200 sheets Crane's bond paper, 24″ x 38″	$11.00	
	50 yards cross-section paper, 389 A. A. A	7.85	
	expressage	.80	
			$19.65
July 19.	To 2 50-yard rolls 36″ Congress blueprint paper @ $3.95 per roll	$7.90	
	express prepaid	.70	
			$8.60
Sept. 26.	To 6 doz. 4 H Kohinoor pencils	$4.75	
	expressage	.24	
Oct. 1.	To 1 doz. bottles ink	2.25	
	1 roll 37″ Par Ex. tracing cloth	6.98	
	2 rolls 36″ blueprint paper @ $3.95	7.90	
	1 100-ft. Chesterman tape	8.50	
	expressage	.80	
			$31.42

FARRELL BROS.

1910.			
Apr. 12.	To 12 feet No. 18 special cord @ 4c.	$0.48	
	labor	.45	
			$0.93
June 6.	To labor repairing cords	$0.50	
Apr. 12.	To 12 feet special cord	.48	
	labor making special cord	.45	
Apr. 19.	To 2 blocks	.30	
	1 swing bracket	1.85	
	1 Franklin shade	.25	
	1 16 c. p. lamp	.16	
	4½ feet moulding	.23	
	18 feet No. 14 R. C. wire	.18	

Apr. 19.	To 5 f. ¼″ loom	$0.25	
	5 hours @ 45c	2.25	
	labor	2.25	
			$9.15
Aug. 22.	To 1 10 amp. G. P. switch	$0.35	
	1 hour labor	.50	
			$0.85

CARLTON SUPPLY CO., BROOKLYN, N. Y.

1910.			
Apr. 14.	To 1 10-yard roll Carlton direct black process paper, 36″ wide		$2.45

E. M. BRYANT & CO.

1910.			
Apr. 16.	To 2 dry batteries		$0.50

J. ARTHUR WILLIAMS.

1910.			
May 25.	To 1,000 sewer connection orders,	$5.25	
	500 blank cards 3″x5″	.50	
			$5.75
July 12.	To 500 printed cards		$2.00

JOSEPH VOGEL & CO.

1910.			
June 1.	To painting engineer's wagon, No. 1	$35.00	
	one rubber mat	2.50	
	trimming one shaft	1.00	
	repairing cushions	1.50	
			$40.00

PIKE & HEALD CO.

1910.			
June 13.	To 2 tin plan cases		$2.00
July 14.	To repairing rain gauge		$0.15

CHAS. F. McCARTY.

1910.			
June 18.	To painting 8 street signs @ 30c		$2.40
Sept. 3.	To painting 3 street signs @ 30c	$0.90	
Nov. 7.	To painting 5 street signs @ 30c	1.50	
Dec. 9.	To painting 3 street signs @ 30c	.90	
			$3.30
Nov. 7.	To lettering 20 signs giving speed-limit for automobiles @ $1		$20.00

FRANK A. GAY.

1910.			
June 25.	To services, one man, 3 days @ $1.75 per day..		$5.25
Nov. 26.	To engineering work, including team hire and carfares, Hanover-street boulevard, from September 13 to October 26 inclusive....		$54.00

THE JOHN B. CLARKE CO.

1910.			
July 27.	To printing 300 reports, engineer's department, 1909, 70 pages @ 65c. per page....		$45.50
Nov. 18.	To printing 500 cost cards (form 1).....		$3.50
Nov. 29.	To binding 5 books (record).....		$6.25

THE FAIRBANKS CO., BOSTON, MASS.

1910.			
Oct. 7.	To 12 No. 3194 molds, each net $4.....		$48.00
	express		$0.50

F. H. MCARDLE, NASHUA, N. H.

1910.			
Oct. 14.	To 6 No. 830 Torpedo pencils with holders	$1.50	
	2 Peerless B. N. moisteners...	2.00	
	2 No. 2 black Sengbusch self-closing inkstands	4.00	
	24 Galiluth penholders.....	2.00	
	1 black rubber penholder.....	.25	
			$9.75
Oct. 14.	To 6 No. 825 Torpedo pencils with holders....		$1.50

MANCHESTER HARDWARE CO.

1910.			
Oct. 18.	To 1 nail set		$0.15
Oct. 25.	To 1 trowel	$0.20	
Oct. 28.	To 1 mallet	.20	
			$0.40

HARRY L. GOULD.

1910.			
Dec. 24.	To weekly report on hydrant bench marks for 1910		$12.00

J. J. MCALLISTER, JR.

1910.			
Feb. 26.	To H. M. Young for express.....	$0.50	
	H. M. Young for express.....	.30	
	S. J. Lord for express.....	2.15	
			$2.95

Apr. 21.	To A. T. Dodge for carfare.....	$0.30	
23.	To A. T. Dodge for carfare.....	.30	
			$0.60
June 28.	To G. B. Eastman for hooks.....	$0.25	
July 7.	To H. B. Dorr for mallet.....	.25	
19.	To A. T. Dodge for carfare.....	.10	
	G. B. Eastman for carfare.....	.10	
			$0.70
Aug. 6.	To G. W. Wales for soap.....		$1.00
Nov. 26.	To H. M. Haskell for carfare.....	$0.10	
	express	.30	
			$0.40

GEORGE W. WALES.

1910.			
Dec. 30.	To 312 days' service @ $3.60 per day	$1,123.20	
	195 hours extra @ 48c. per hour	93.60	
			$1,216.80

HARRIE M. YOUNG.

1910.			
Dec. 30.	To 229 days' service @ $3.30 per day	$755.70	
	42½ hours extra @ 44c. per hour	18.70	
			$774.40

ALFRED T. DODGE.

1910.			
Dec. 30.	To 312 days' service @ $2.85 per day	$889.20	
	131 hours extra @ 38c. per hour	49.78	
Apr. 25.	To carfare Pine Grove cemetery..	.30	
May 6.	To carfare Pine Grove cemetery..	.60	
			$939.88

HENRY A. WORTHEN.

1910.			
Dec. 30.	To 306½ days' service @ $2.55 per day	$781.58	
	43½ hours extra @ 34c. per hour	14.77	
			$796.35

HAROLD M. HASKELL.

1910.			
Dec. 30.	To 214 days' service @ $2.75 per day	$588.50	
	49½ hours extra @ 36⅔c. per hour	18.17	
			$606.67

JOHN J. MCALLISTER, JR.

1910.			
Dec. 30.	To 196 days' service @ $2.55 per day	$499.80	
	5 hours extra @ 34c. per hour	1.70	
			$501.50

LAWRENCE A. O'CONNOR.

1910.			
Dec. 30.	To 299 days' service @ $1.95 per day	$583.05	
	8 hours extra @ 26c. per hour	2.08	
			$585.13

GLEN B. EASTMAN.

1910.			
Dec. 30.	To 306 days' service @ $1.50 per day	$459.00	
	37 hours extra @ 20c. per hour	7.40	
			$466.40

FRANK L. MCALLISTER.

1910.			
Dec. 30.	To 275½ days' service @ $1.50 per day	$413.25	
	25 hours extra @ 20c. per hour	5.00	
			$418.25

HARRY B. DORR.

1910.			
Dec. 30.	To 118 days' service @ $2.25 per day	$265.50	
	36 hours extra @ 30c. per hour	10.80	
			$276.30

EDSON W. KEITH.

1910.			
Dec. 30.	To 113 days' service @ $2.25 per day	$254.25	
	3½ hours extra @ 30c. per hour	1.05	
			$255.30

CHAS. E. HAMMOND.

1910.			
Dec. 30.	To 75½ days' service @ $2.00 per day	$151.00	
	21½ hours extra @ 26⅔c. per hour	5.75	
			$156.75

HARRY T. GEORGE.

1910.			
Dec. 30.	To 38½ days' service @ $2.00 per day	$77.00	
	4 hours extra @ 26⅔c. per hour	1.08	
			$78.08

HORACE WYMAN.

1910.			
Sept. 10.	To 5 days' service @ $1.50 per day	$7.50	
Dec. 30.	To 66 days' service @ $1.75 per day	115.50	
	2 hours extra @ 23⅓c. per hour	.47	
			$123.47

MARK FARMER.

1910.			
Nov. 22.	To 19 days' service @ $1.25 per day	$23.75	
	8½ hours extra @ 16⅔c. per hour	1.42	
			$25.17

HAROLD L. DAVIS.

1910.		
Aug. 27.	To 42 days' service @ $1.25 per day	$52.50

ROYDEN E. REED.

1910.		
Sept. 3.	To 9½ days' service @ $1.25 per day	$11.88

OMER G. COFFIN.

1910.		
Nov. 26.	To 56 days' service @ $2.00 per day	$112.00

HARRY STEVENS.

1910.		
Nov. 26.	To 48 days' service @ $2.00 per day	$96.00

HARRIE H. CLEMENT.

1910.		
Dec. 24.	To 12 days' service @ $2.55 per day	$30.60

GEORGE PRINCE.

1910.		
Jan. 22.	To 4½ days' labor as engineer's department assistant @ $2.25 per day (9 hours).....	$10.13

S. J. LORD.

1910.		
Dec. 30.	One half salary for the year 1910.....	$1,099.92

SUMMARY.

Appropriation to the engineer's department for the year 1910	$9,000.00	
Credits—by sale of bay horse.....	55.80	
engineering work done on Second street	87.07	
blue prints made for New England Telephone & Telegraph Co.....	27.85	
Expenses of the engineer's department for the year 1910		$9,159.95
Balance unexpended		10.77
	$9,170.72	$9,170.72

ORDERS.

Board of mayor and aldermen (meetings).....	7
Board of examiners of plumbers (meetings).....	6
Committee on streets (meetings).....	7
Committee on sewers and drains (meetings).....	6
Petitions for new highways.....	25
Petitions for highway grade.....	26
Petitions for new sewers.....	9
Table No. 31 (street signs)	17
Table No. 28 (highway bounds)	70
Table No. 29 (levels for profile).....	79
Table No. 29 (plans and profile)	86
Table No. 30 (miscellaneous orders, field).....	205
Table No. 30 (miscellaneous orders, office).....	13
Table No. 33 (cemetery orders, office).....	1
Table No. 33 (cemetery orders, field)	12
Table No. 34 (Street and park commission orders).....	227
Table No. 32 (street numbers, orders).....	189
	985

Field Work.

Levels for profile for establishing grades (length in feet)	317,586
Levels in Pine Grove cemetery (length in feet)	5,314
Other levels (length in feet)	6,210
Total length of levels in feet	329,110
Cross-section levels (area in sq. ft.)	357,300
Surveys of streets and street lines (length in feet)	58,960
Surveys in Pine Grove cemetery (length in feet)	2,800
Surveys for street numbers (length in feet)	6,680
Surveys, miscellaneous (length in feet)	26,920
Total length of surveys in feet	95,360
Street lines marked on ground (length in feet)	19,920
Lot and avenue lines, Pine Grove cemetery (length in feet)	2,960
Lines for gutters (length in feet)	15,875
Lines for curbs (length in feet)	24,600
Lines for sewers (length in feet)	13,200
Lines for building streets (length in feet)	32,560
Other lines (length in feet)	1,800
Total length of lines marked on ground	110,915
Grades set for sidewalks (length in feet)	22,640
Grades set for gutters (length in feet)	15,875
Grades set for curbs (length in feet)	24,600
Grades set for sewers (length in feet)	13,200
Grades set for building streets (length in feet)	32,560
Grades set for paving (length in feet)	9,280
Grades set for Pine Grove cemetery (length in feet)	1,550
Grades set for other purposes (length in feet)	1,200
Total length in feet of grades set	120,905
Number of old lots restaked in Pine Grove cemetery	121
Highway bounds set	59
Highway bounds reset	10
Highway bounds removed	1
	70

Batters Set.

Lafayette park, wall and steps.

Sewer Plans and Profiles.

Boutwell, Kelley to Amory.
Boynton, McDuffie to south of Bank.

Canal, Granite to West Central.
Clay, Lincoln to Wilson.
Cumberland, Amory to south of Monitor.
Dix, Lincoln to Wilson.
Lincoln, Howe to Silver.
Maple, Somerville to Silver.
Maple, Myrtle to Harrison.
River road, Cloyde to north of Park avenue.
Salmon, Beech to Ash.
Shasta, Maple to Lincoln.
Somerville, Lincoln to Wilson.
Summer, Hall to Belmont.

Total sewer plans and profiles, 14.

Numbering Plans.

Alpheus, Beech to Willow.
Alpine, Ingalls to Mast.
Alsace, Bremer northerly.
Annabell, Mast road to Rockland avenue.
Avon, Ingalls to Mast.
Bremer, Montgomery to west of Boutwell, two plans.
Clement, Ingalls to Fenton.
Davis, Otis to Cloyde.
Dickey, Sylvester to Alpine.
Fenton, Sylvester to Alpine.
Forest, Sylvester to Alpine.
Glendale avenue, Cypress to Jewett.
Harriman, Grant to south of Sheridan.
Ingalls, Forest to Alpine.
Joliette, Kelley northerly.
Laval, Kelley to north of Bremer.
Leggett court, Martin lane to Main.
Lingard, M. & L. R. R. to Willow.
Loring, M. & L. R. R. to Willow.
Patterson, Salem to Bedford town line.
Pellerin lane, Amory south back to Amory.
Spring Garden, M. & L. R. R. to Willow.
Upton, M. & L. R. R. to Willow.
Whittier, Ingalls to Mast.

Total numbering plans, 25.

Miscellaneous Plans.

Ash, Beech and Concord streets, High school lot, location of walks and building.

Arlington, Ashland, Bridge and Linden streets, land of Harry Eaton.

Amherst, Hanover, Highland, Hilton and Merrimack streets, land of Nathaniel Doane and Roscoe K. Horne.

Beech and Gold streets, Calef road, land of Joseph A. Brown estate.

Belmont, Bridge, Hall, Harrison, Mead, Myrtle, Orange, Pearl and Prospect streets, "Morrison land," land of Mead, Mason & Co.

Calef road, Bond and Elm streets, Elmhurst, Rosedale, Hillcrest, Oakland and Edgemere avenues, "Elmhurst."

Calef road, Elm, Edgewood, Glenridge, Maplewood and Mitchell streets, Elmwood, Harrington and Rosemont avenues, "Elmwood park south."

College road, Eden, Fairview, Gold and Plummer streets, land of Warren & Moody.

Conant south back, West to Main, location.

Floral path, Highland, Lawn, Riverside and South avenues, "Birch lawn," Pine Grove cemetery.

High East, Highland, Jewett and Lowell streets, "Barrister square," land of F. B. Burgess.

Lincoln and Merrimack streets, land of Florence B. Burgess and Cora B. Marsh.

Mason, Merrill, Hayward and Valley streets, land of Jennie F. Dickey and Phronie A. Woodman.

Massabesic and Valley streets, land of V. Ricard and W. St. Onge.

Somerville and Taylor streets, land of Page and Bryant and Jennie L. Wilson.

Total miscellaneous plans, 15.

Working Plans.

Allen, South Main to Boynton, profile.
Bay, Salmon to Webster, two profiles.
Bay east back, North to Webster, two profiles.
Bedford, Granite to north of West Central, profile.
Bell south back, Pine east back to Beech, two profiles.
Belmont, Summer to Massabesic, profile.
Blodget, Elm to Chestnut, profile.
Boutwell, Kelley to north of Bremer, profile.
Bremer, Boutwell to Morgan, profile.
Bridge, Maple to Nashua, profile.
Bridge, Warren to Linden, profile.
Brown avenue, Elm to Baker, two profiles.
Byron, Brown avenue to Merrimack river, two profiles.
Canal, West Central to Granite, two plans.
Cartier, Wilton to Adams, profile.
Cartier east back, Amory to Amory south back, profile.
Cartier east back, Sullivan to Putnam, profile.
Central, Belmont to Milton, profile.

Central, West, State to Bedford, profile.
Cheney Place, Brown avenue to Elm, profile.
Chestnut, Bridge to Pearl, profile.
Chestnut to Pine, Sagamore to north of Salmon, cross-section, plan.
Cloyde, River road to Davis, profile.
Concord, Vine to Pine, profile.
Concord, Belmont to Beacon, profile.
Dean, Elm to Elm west back, profile.
Dubuque east back, Putnam to Wayne, profile.
Elm, Auburn to south of Valley, profile.
Elm, Myrtle to north of Harrison, two profiles.
Elm, Pennacook to north of Sagamore, profile.
Elm, North to Webster, profile.
Elm, Carpenter to Trenton, profile.
Elm east back, Salmon to Webster, two profiles.
Everett, West Clarke to Waldo, profile.
Frederick, Wentworth to Second, profile.
Front, Black brook, northerly, five profiles.
Gates, Cartier to Rimmon, profile.
Grant, Hanover to Mammoth road, profile.
Grove, State to Bedford, profile.
Hanover, Beacon to Candia road, eight profiles.
Hanover, Merrimack to Mammoth road, profile.
Hanover, culvert near Grant, profile.
Harvell, South Main to Second, profile.
Hayward, Hall to Belmont, profile.
High school lot, Beech, Ash and Concord streets, location of walks and buildings, plan.
Hubbard, Hanover to Amherst, profile.
Mammoth road, Hanover to Lake avenue, profile.
Manchester, Maple to Lincoln, profile.
Maple, Merrimack to Central, profile.
McDuffie, South Main to Boynton, profile.
McGregor, West Bridge to Main, profile.
Milton, Lake avenue to Laurel, profile.
Montgomery east back, Kelley to Amory, profile.
Newell, State to Bedford, profile.
Newell south back, State to Bedford, profile.
North to Salmon, Liberty to Pine, cross-section, plan.
Notre Dame avenue, Amory to Sullivan, four profiles.
Oakland avenue, Revere avenue to Woodland avenue, profile.
Orchard avenue, Glenwood avenue to Candia road, two profiles.
Parker square, showing trees and cross-sections, plan.
Payson, State to Bedford, profile.
Payson east back, State to Bedford, profile.
Pennacook to Sagamore, Elm to Chestnut, cross-section, plan.

Pine east back, North to Salmon, profile.
Putnam, Notre Dame avenue to Dubuque, profile.
Ray, Clarke 650 feet northerly, profile.
Revere avenue, Glenwood avenue to Candia road, profile.
Revere avenue, Oakland avenue to Candia road, two profiles.
Rimmon, Conant to Gates, profile.
River road, West Salmon to West North, profile.
Sagamore, Elm to Chestnut, profile.
Salmon, Elm to Chestnut, profile.
Salmon, West, Elm to Amoskeag bridge, profile.
Second, Walker to South Main, six profiles.
State, Granite to north of West Central, profile.
Taylor, Massabesic to Valley, profile.
Union, Webster to Clarke, profile.
Vernon, Brown avenue to Hamilton, profile.
Waldo, Elm to Everett, profile.
Walnut, Salmon to North, profile.
Walnut east back, Salmon to North, profile.
Wayne, Main to Notre Dame avenue, profile.
Webster, Elm to Chestnut, profile.
Wilkins, Mast road to Rockland avenue, profile.
Willow, Hayward to Baker, two profiles.
Wilson east back, Somerville to Clay, profile.
Winter place, Elm to Elm west back, profile.
Woodland avenue, Candia road to C. & P. R. R., profile.
Youngsville school lot, proposed changes, cross-section, plan.
Youville, Rimmon to Kelley, profile.

Total working plans, 119.

TRACINGS.

Hanover, Beacon to west of Merrimack, plan.

Manchester Traction, Light & Power Company, showing location of poles. 180 tracings.

New England Telephone and Telegraph Company, showing location of poles. 119 tracings.

Second, Walker to South Main. Six plans.

Total tracings, 306.

BLUE PRINTS.

Birch lawn, Pine Grove cemetery, six prints.

High school yard, two prints.

Manchester Traction, Light & Power Company, showing location of poles, 360 prints.

New England Telephone & Telegraph Company, showing location of poles, 238 prints.

Second, Walker to South Main, 23 prints.
Sewerage system, East Side, three prints.
Sewerage system, West Side, three prints.
Spruce lawn, Pine Grove cemetery, three prints.
Uncanoonuc Inclined Railway & Development Company, six prints.
Total blue prints, 644.

SUMMARY.

Plans and profiles (sewer)	14
Numbering plans	25
Miscellaneous plans	15
Working plans	119
Tracings	306
Blue prints	644
	1,123

Six tracings showing city sewers have been brought up to date.
Maps brought up to date, five.
Plans brought up to date, 110.
Plans made for establishing grade on streets not laid out, 18,980 feet.
Plans made for establishing grade on laid-out streets, 57,270 feet.
Total, 76,250 feet.
Lot owners looked up, 15,793.08 feet.

Sewer Licenses.

At a meeting of the board of mayor and aldermen, November 19, 1897, the city engineer was instructed "to examine the books in his office and to present to said board a list of property owners who had neglected to pay the license fee required by the city laws and ordinances for entrance to the city sewers."

The records were examined and a list compiled, giving the name of the property owner, and the location of the lot, the street frontage, and the license fee due upon each and every piece of occupied property within one hundred feet of a public sewer.

The said list was given in hand to the city clerk, as clerk of the board of mayor and aldermen.

The list comprised 1,017 names, and a notice was sent to each one by the city clerk. A summarized statement of the ground covered to January 1, 1911, follows, to wit:

Number of names January 1, 1898		1,017
Paid during 1898	277	
Granted free during 1908	76	
Paid prior to 1898, located during year	121	
Paid during 1899	24	
Granted free during 1899	12	

Paid during 1900		2	
Not connected		1	
Paid during 1901		2	
Granted free during 1901		1	
Paid during 1902		2	
Paid during 1903		3	
Paid during 1904		4	
Paid during 1906		1	
Paid during 1907		3	
Granted free during 1907		1	
Paid during 1908		2	
Paid during 1909		2	
Granted free during 1909		1	
Paid during 1910		1	
Paid prior to 1898, not located	60		
Paid previously	3		
Paid in part	1		
Covered by old permit	1		
Not recorded paid, receipts shown	5		
Recorded paid, no record of cash received	2		
Claims to have paid, no record	1		
Licenses taken out, not paid	17		
Not heard from	391		
Total number not settled January, 1910		483	
		1,017	1,017
Number of licenses granted new sewer enterers during 1910			154
Number of licenses granted delinquent sewer enterers during 1910			1
Number of free licenses granted sewer enterers during 1910			7
Total number of licenses granted during 1910			162
Amount of money recorded as collected from one delinquent sewer enterer during 1910			$15.00
Amount of money recorded as collected from new sewer enterers during 1910			2,270.37
Total amount of money collected during 1910			$2,285.37

(All moneys are collected by the city clerk.)

STREET NUMBERS.

Figures on hand January 1, 1910	1,371
Letters on hand January 1, 1910	55

Figures used during 1910		807
Figures on hand January 1, 1911		564
Letters on hand January 1, 1911		55
	1,426	1,426
Numbers assigned during 1910		230
Numbers replaced during 1910		20
		250

(The expense of street numbers is charged to the appropriation for the engineer's department.)

Coal Tar and Granite Block Paving.

Tables Nos. 1, 2, 3, 4, 5 and 6 give the location, number of square yards, price per square yard, total cost and date when measured of all coal tar concrete and granite blocks laid during the year as follows: Table No. 1, street crossings (new); Table No. 2, street crossings (repairs); Table No. 3, sidewalks (repairs); Table No. 4, street paving (new); Table No. 5, street paving (repairs); Table No. 6, miscellaneous; Table No. 7, summary of tables Nos. 1, 2, 3, 4, 5 and 6.

TABLE No. 1.

STREET CROSSINGS (New).—ROBIE CONSOLIDATED CONCRETE CO., CONTRACTOR.

Material, Tar Concrete.

STREET.	LOCATION.	Square yards.	Per square yard.	Total cost.	Measured.
Dubuque	North side, at Kelley	27.86	$0.75	$20.89	Dec. 14, 1910
Dubuque east back	North side, at Kelley	10.888	0.75	8.15	" 14, 1910
		38.748		$29.04	

TABLE No. 2.

STREET CROSSINGS (Repairs).—ROBIE CONSOLIDATED CONCRETE CO., CONTRACTOR.

Material, Tar Concrete.

STREET.	LOCATION.	Square yards.	Per square yard.	Total cost.	Measured.
Concord	East side, at Elm	35 777	$0.35	$12.52	July 7, 1910
Derryfield lane	West side, at Chestnut	19.000	0.35	6 65	" 6, 1910
Hanover	East side, at Elm	31.138	0 75	23.35	June 15, 1910
Harrison south back	East side, at Union	15.166	0.50	7 58	July 9, 1910
Londonderry lane	West side, at Chestnut	19.000	0.35	6.65	" 6, 1910
Londonderry lane	East side, at Chestnut	19.000	0.35	6.65	" 6, 1910
Monadnock lane	West side, at Chestnut	19.000	0 35	6.65	" 6, 1910
Nutfield lane	North side, at Concord	12.444	0.35	4.35	" 7, 1910
Nutfield lane	North side, at Amherst	14.444	0 35	5.06	" 7, 1910
Nutfield lane	South side, at Amherst	16 444	0.35	5.76	" 7, 1910
		201.413		$85.22	

TABLE No. 3.

SIDEWALKS (Repairs).—ROBIE CONSOLIDATED CONCRETE CO., CONTRACTOR.

Material, Tar Concrete.

STREET.	LOCATION.	Square yards.	Per square yard.	Total cost.	Measured.
Beech	West side, 30 feet north of Salmon	18.666	$0.50	$9.43	Dec. 14. 1910
Notre Dame avenue.	West side, Putnam to Wayne	146.76	0.45	66.04	Dec. 14, 1910
Notre Dame avenue.	East side, Putnam to Wayne	111 111	0.45	50.00	Dec. 14, 1910
		276.537		$125.47	

TABLE No. 4.

STREET PAVING (New).

STREET.	LOCATION.	Contractor.	Measured.	Tar concrete. Sq. yards.	Granite block, cement joints. Sq. yards.	Street Railway. Square yards.	Per square yard.	Total cost.
Elm	Orange to Prospect	Hanscom Construction Co.	Dec. 7, 1910	2,513.67			$2.18	$5,479.80
"	Orange to Prospect, gutters	"	" 7, 1910		920.5		3.25	2,991.62
"	Orange to Prospect, brow and tracks	"	" 7, 1910		193.41	193.41	3.25	628.58
"	Orange to Prospect, between tracks	"	" 7, 1910		1,062.85	1,062.85	2.43	2,582.72
Lake avenue	Chestnut to Pine	Robie Consolidated Con. Co.	" 14, 1910	648.90			1.60	1,038.24
" "	Chestnut to Pine	"	" 14, 1910		165.76		1.02	169.08
				3,162.57	2,342.52	1,256.26		$12,890.04

TABLE No. 5.

STREET PAVING (Repairs).

Street.	Location.	Contractor.	Measured.	Material.	Square yards.	Per square yard.	Total cost.
Amherst	Elm to Vine	Robie Consolidated Concrete Company.	July 7, 1910	Tar concrete.	96.000	$0.35	$33.60
"	Union to Beech	"	June 22, 1910	"	152.144	.50	76.07
Chestnut	Hanover, northerly	"	" 15, 1910	"	0.833	.50	.42
"	Amherst, north and south	"	July 6, 1910	"	393.000	.35	137.55
Concord	Elm, easterly	"	" 6, 1910	"	24.888	.35	8.71
"	Nutfield lane to Vine	"	" 7, 1910	"	7.111	.35	2.49
Granite	Turner to Main	"	" 11, 1910	"	148.277	.35	51.90
"	At Harry E. Wheeler's (M. W. W.)	"	" 11, 1910	"	3.000	.50	1.50
"	At Granite square	"	" 13, 1910	"	347.777	.35	1 0.32
Hanover	Elm to Chestnut	"	June 15, 1910	"	3.933	.50	1.97
"	Chestnut to Pine	"	" 15, 1910	"	63.639	.35	22.27
"	Union to Beech	"	" 15, 1910	"	263.611	.50	131.81
"	At James W. Hill s (M. W. W.)	"	" 15, 1910	"	3.166	.50	1.58
Main	Granite square to Ferry	"	July 13, 1910	"	45.555	.50	22.78
"	Walker to M. & N. W. R. R.	"	" 13, 1910	"	187.555	.35	65.64
Maple	Merrimack to Lowell	"	June 30, 1910	"	191.722	.50	95.86
Merrimack	Chestnut, westerly	"	July 2, 1910	"	442.666	.35	154.93
"	Beech to Maple (P. G. L. Co.)	"	June 29, 1910	"	12.666	.50	6.33
"	" "	"	" 29, 1910	"	353.944	.50	176.97
Monadnock lane	Chestnut, easterly	"	July 1, 1910	"	148.984	.35	74.49
" "	" " (Mr. Green)	"	" 1, 1910	"	5.333	.35	1.87
Nutfield "	Amherst to Hanover	"	" 8, 1910	"	191.611	.35	67.06
Union	Amherst to Concord	"	June 23, 1910	"	35.083	.50	17.54
"	" " (N. E. T. & T. Co)	"	" 23, 1910	"	18.222	.50	9.11
"	" " (P. G. L. Co.)	"	" 23, 1910	"	12.444	.75	9.33
"	" Hanover	"	" 23, 1910	"	70.888	.50	35.44
"	Concord to Lowell	"	" 23, 1910	"	164.222	.35	57.48
"	Lowell to Central	"	" 23, 1910	"	124.222	.50	62.11
"	Central to Lake avenue	"	" 23, 1910	"	106.111	.50	53.06
Vine	Amherst to Concord	"	July 9, 1910	"	99.777	.35	34.92
					3,718.384		$1,535.11

TABLE No. 6.

MISCELLANEOUS.—ROBIE CONSOLIDATED CONCRETE COMPANY.

Material, Tar Concrete.

Location.	Description.	Measured.	Square yards.	Per square yard.	Total cost.
Barry playground	At north handball court	Aug. 24, 1910	61.666	$0.50	$30.83
" "	At south " "	" 24, 1910	45.000	0.50	22.50
" "	At handball court	June 18, 1910	113.330	0.50	56.67
Monadnock lane	At police station (driveway)	" 30, 1910	11.000	0.35	3.85
Turner street	At handball court	" 18, 1910	145.670	0.50	72.83
			376.666		$186.68

TABLE No. 7.

SUMMARY OF TABLES Nos. 1, 2, 3, 4, 5 and 6.

Description.	Contractor.	Table No.	Square yards.	Cost.
Street crossings, new, tar concrete	Robie Consolidated Concrete Co.	1	38.748	$29.04
Street crossings, repairs, tar concrete	Robie Consolidated Concrete Co.	2	201.413	85.22
Sidewalks, repairs, tar concrete	Robie Consolidated Concrete Co.	3	276.537	125.47
Street paving, new, tar concrete	Robie Consolidated Concrete Co.	4	648.90	1,038.24
Street paving, new, tar concrete	Hanscom Construction Co.	4	2,513.67	5,479.80
Street paving, new, granite block, cement joints	Hanscom Construction Co.	4	2,176.76	6,202.92
Street paving, new, granite block, cement joints	Robie Consolidated Concrete Co.	4	165.76	169.08
Street paving, repairs, tar concrete	Robie Consolidated Concrete Co.	5	3,718.384	1,535.11
Miscellaneous, tar concrete	Robie Consolidated Concrete Co.	6	376.666	186.68
			10,116.838	$14,851.56

Abstract Report of the Committee on Streets for the Year 1910.

PERSONNEL OF THE COMMITTEE.

Alderman from Ward 9, Arthur J. Provost, chairman.
Alderman from Ward 1, Ernest W. Wiesner.
Alderman from Ward 7, Herbert A. Salls.
Clerk of the committee, Samuel J. Lord.

Tables Nos. 8, 9, 10, 11, 12 and 13 have been compiled to be used in the annual report of the engineer's department in lieu of citing the record of the committee on streets in detail. The tables give information pertaining to the petitions that have been acted upon by the committee during the year 1910, also highways laid out, widened and straightened and grades ordered established by the board of mayor and aldermen during the year.

Table No. 8 is a list of the petitions for new highways that have been acted upon by the committee during the year.

Table No. 9 is a list of the petitions for establishing grades that have been acted upon by the committee during the year.

Table No. 10 is a list of miscellaneous petitions that have been acted upon by the committee during the year.

Table No. 11 is a list of highways that have been laid out by the board of mayor and aldermen during the year.

Table No. 12 is a list of highway grades ordered established by the board of mayor and aldermen during the year.

Table No. 13 is a list of miscellaneous petitions that have been acted upon by the board of mayor and aldermen during the year.

Distances are given in feet.

TABLE No. 8.

PETITIONS FOR NEW HIGHWAYS ACTED UPON BY THE COMMITTEE ON STREETS DURING 1910.

Location.	Limits.	Distance	Width	Petition of	Date of petition.	Withdrawn.	Granted.
Annabell	Mast road to Rockland avenue	1,039.77	50	John H. Groux	April 14, 1910		Aug. 22, 1910
Bell	Union to Beech	490.00	50	Owen Markey	Mar. 19, 1910		July 20, 1910
Byron	Josselyn to 100 feet west of B. & M. R. R. right of way	340.00	50	Wm. H. McElwain Co.	July 27, 1910		Aug. 25, 1910
Dubuque east back	Putnam to Sullivan	200.00	20	Arthur T. Beaumier	April 4, 1910		May 2, 1910
Gates	Dubuque to Rimmon	270.00	50	William Ploss	Sept. 17, 1910		Oct. 25, 1910
Harvard	Lincoln to Wilson	622.94	50	Kimball Carriage Co.	June 13, 1910		Oct. 25, 1910
Highland	Hanover to Amherst	355.00	50	Chas. C. Hayes, Ex.	June 6, 1910		July 20, 1910
Maryland avenue	Hanover to Bridge street ext.	2,217.56	50	Anthony L. Frye	Aug. 3, 1910		Oct. 25, 1910
Pennsylvania avenue	Hanover to Bridge street ext.	2,242.93	60	John P. Blagdon	Jan. 3, 1910		Oct. 25, 1910
Rimmon east back	Kelley to Bremer	550.00	20	E. N. Fugere	Apr. 16, 1909		May 2, 1910
Youville	Kelley to Bremer	650.00	50	Louis W. Daniels	May 20, 1910		July 28, 1910
		8,978.20					

SUMMARY.

Whole number of highway petitions acted upon	11	
Granted a hearing		11
	11	11

Total length of highways petitioned for	8,978.20	
Granted a hearing		8,978.20
	8,978.20	8,978.20

TABLE No. 9.

PETITIONS FOR ESTABLISHING GRADE ACTED UPON BY THE COMMITTEE ON STREETS DURING 1910.

Location.	Limits.	Distance	Width	Petition of	Date of petition.	Withdrawn.	Granted.
Allen	South Main to Boynton	708.645	50	Charles J. Tinker	Feb. 5, 1910		May 2, 1910
Annabell	Mast road to Rockland avenue	1,039.77	50	John H. Groux	April 14, 1910		Aug. 22, 1910
Bell	Union to Beech	490.00	50	Owen Markey	Mar. 19, 1910		July 20, 1910
Byron	Brown avenue to 100 ft. west of B. & M. R. R. right of way	1,336.185	50	Wm. H. McElwain Co.	July 27, 1910		Aug. 25, 1910
Dubuque east back	Putnam to Sullivan	200.00	20	Arthur T. Beaumier	April 4, 1910		May 2, 1910
Gates	Dubuque to Rimmon	270.00	50	William Ploss	Sept. 17, 1910		Oct. 25, 1910
Harvard	Lincoln to Wilson	622.94	50	Kimball Carriage Co.	June 13, 1910		Oct. 25, 1910
Highland	Hanover to Amherst	355.00	50	Chas. C. Hayes, Ex.	June 6, 1910		July 20, 1910
Linden	Myrtle to Prospect	220.00	50	H. B. Sawyer	May 12, 1903	May 2, 1910	
Maryland avenue	Hanover to Bridge street ext.	2,217.56	50	Anthony L. Frye	Aug. 3, 1910		Oct. 25, 1910
Parker	Winter, to the North Weare R. R. bridge	160.00	40	Glory M. Boucher	May 20, 1905	May 2, 1910	
Pennsylvania avenue	Hanover to Bridge street ext.	2,242.93	60	John P. Blagdon	Jan. 3, 1910		Oct. 25, 1910
Youville	Kelley to Bremer	650.00	50	Louis W. Daniels	May 20, 1910		July 28, 1910
		10,513.03					

SUMMARY.

Whole number of grade petitions acted upon	13	
Granted leave to withdraw		2
Granted a hearing		11
	13	13

Total length of highway grades petitioned for	10,513.03	
Granted leave to withdraw		380.00
Granted a hearing		10,133.03
	10,513.03	10,513.03

TABLE No. 10.

PETITIONS FOR DISCONTINUING HIGHWAYS ACTED UPON BY THE COMMITTEE ON STREETS DURING 1910.

LOCATION.	LIMITS.	Petition of	Distance	Width	Date of petition.	Withdrawn.	Granted.
Highland	Hanover to Amherst	Chas. C. Hayes, Ex.	370.00	50	July 6, 1910		July 20, 1910
Josselyn	Byron, southerly	Wm. H. McElwain Co.	698.00	50	July 27, 1910		Aug. 25, 1910
Varney	Easterly terminus to 100 feet west of B. & M. R. R. right of way	Wm. H. McElwain Co.	319.00	50	July 27, 1910		Aug. 25, 1910
Young road	Wilson to Hall	Elliott Mfg. Co.	462.76	50	May 20, 1910		Aug. 22, 1910
			1,849.76				

TABLE No. 11.

HIGHWAYS LAID OUT IN 1910 BY THE BOARD OF MAYOR AND ALDERMEN.

LOCATION.	LIMITS.	Length	Width	Laid out.	Petition of	Date of petition.	Hearing recommended.
Annabell	Mast road to Rockland avenue	1,039.77	50	Nov. 30, 1910	John H. Groux	April 14, 1910	Aug. 22, 1910
Bell	Union to Beech	565.00	50	Sept. 30, 1910	Owen Markey	Mar. 19, 1910	July 20, 1910
Byron	Josselyn to 100 feet west of B. & M. R. R.	340.00	50	Sept. 30, 1910	Wm. H. McElwain Co.	July 27, 1910	Aug. 25, 1910
Dubuque east back	Putnam to Sullivan	411.87	20	June 27, 1910	Arthur T. Beaumier	April 4, 1910	May 2, 1910
Gates	Dubuque to Rimmon	270.00	50	Nov. 30, 1910	William Ploss	Sept. 17, 1910	Oct. 25, 1910
Grove	Elm to Willow	220.27	50	Jan. 11, 1910	William Corey	Oct. 21, 1909	To M. and A.
Harvard	Lincoln to Wilson	622.94	50	Nov. 30, 1910	Kimball Carriage Co.	June 13, 1910	Oct. 25, 1910
Highland	Hanover to Amherst	310.00	50	Sept. 30, 1910	Chas. C. Hayes, Ex.	June 6, 1910	July 20, 1910
Hillcrest avenue	Elm to Calef road	576.39	50	June 27, 1910	J. Henry Paige	June 3, 1910	To M. and A.
Rimmon east back	Kelley to Bremer	550.00	20	June 27, 1910	E. N. Fugere, M. D.	Apr. 16, 1909	May 2, 1910
Willow	Auburn to Grove	810.00	50	Jan. 11, 1910	William Corey	Oct. 21, 1909	To M. and A.
Youville	Kelley to Bremer	650.00	50	Sept. 6, 1910	Louis W. Daniels	May 20, 1910	July 28, 1910
		6,366.24					

TABLE No. 12.

HIGHWAY GRADES ORDERED ESTABLISHED BY THE BOARD OF MAYOR AND ALDERMEN IN 1910.

Location.	Limits.	Distance	Width	Petition of	Date of petition.	Ordered passed
Allen	South Main to Boynton	708.64	50	Charles J. Tinker	Feb. 5, 1910	June 27, 1910
Annabell	Mast road to Rockland avenue	1,039.77	50	John H. Groux	April 14, 1910	Nov. 30, 1910
Bell	Union to Beech	490.00	50	Owen Markey	Mar. 19, 1910	Sept. 30, 1910
Byron	Brown av. to 100 ft. west of B. & M. R. R.	1,336.18	50	Wm. H. McElwain Co.	July 27, 1910	Sept. 30, 1910
Dubuque east back	Putnam to Sullivan	411.87	20	Arthur T. Beaumier	April 4, 1910	June 27, 1910
Gates	Dubuque to Rimmon	220.00	50	William Ploss	Sept. 17, 1910	Nov. 30, 1910
Grove	Elm to Willow	220.75	50	William Corey	Oct. 21, 1909	Jan. 11, 1910
Harvard	Lincoln to Wilson	622.94	50	Kimball Carriage Co.	June 13, 1910	Nov. 30, 1910
Highland	Hanover to Amherst	310.00	50	Chas. C. Hayes, Ex.	June 6, 1910	Sept. 30, 1910
Hillcrest avenue	Elm to Calef road	576.39	50	J. Henry Paige	June 3, 1910	July 5, 1910
Taylor	Massabesic to Valley	789.67	35-45	S. A. Blood	Sept. 2, 1910	Sept. 30, 1910
Willow	Auburn to Grove	760.00	50	William Corey	Oct. 21, 1909	Jan. 11, 1910
Youville	Kelley to Bremer	650.00	50	Louis W. Daniels	May 20, 1910	Sept. 6, 1910
		8,136.21				

TABLE No. 13.

MISCELLANEOUS PETITIONS ACTED UPON BY THE BOARD OF MAYOR AND ALDERMEN DURING 1910.

Location.	Limits.	Distance	Width	Laid out.	Discontinued.	Petition of	Date of petition.	Hearing recommended.
Highland	Hanover to Amherst....	355.00	50	.....	Sept. 30, 1910	Chas. C. Hayes, Ex.	June 6, 1910	July 20, 1910
Josselyn	Byron to Varney.....	698.00	50	.....	Sept. 30, 1910	Wm. H. McElwain Co.	July 27, 1910	Aug. 25, 1910
Old Falls road.	Lake ave. to Belmont...	180.00	50*	.....	Oct. 4, 1910	Chas. A. Perkins....	Sept. 16, 1910	To M. and A.
Taylor	Massabesic to Valley....	789.67	35-45	Sept. 30, 1910	.....	S. A. Blood.....	Sept. 2, 1910	To M. and A.
Varney	Josselyn to west of B. & M. R. R.....	319.00	50	.....	Sept. 30, 1910	Wm. H. McElwain Co.	July 27, 1910	Aug. 25, 1910
Young road ...	Wilson to Hall.....	462.76	50	.....	Sept. 6, 1910	Elliott Mfg. Co.....	May 20, 1910	Aug. 22, 1910
		2,804.43						

*Average width.

Abstract Report of the Committee on Sewers and Drains for the Year 1910.

PERSONNEL OF THE COMMITTEE.

Alderman from Ward 3, Fred O. Parnell.
Alderman from Ward 5, Richard J. Barry.
Alderman from Ward 10, Peter J. Charron.
Clerk of the committee, Samuel J. Lord.

Tables Nos. 14, 15, 16, 17, 18, 19 and 20 have been compiled to be used in the annual report of the engineer's department in lieu of citing the records of the committee on sewers and drains in detail. The tables give information pertaining to the petitions, orders for sewers passed by the city councils, sewers built and not built up to January 1, 1911.

Table No. 14 is a list of petitions that have been acted upon during the year, also the manner in which and date when each petition was acted upon and disposed of by the committee.

Table No. 15 is a list of sewers ordered in up to January 1, 1910, giving the distances built, distances built in excess of order, and distances remaining unbuilt up to January 1, 1911.

Table No. 16 is a list of sewers ordered built during the year 1910, giving distances built, distances ordered in, that are unnecessary, and distances remaining unbuilt up to January 1, 1911.

Table No. 17 is a list of sewers built in 1910 not ordered in by the board of mayor and aldermen.

Table No. 18 is a list of pipe removed where sewers have been rebuilt.

Table No. 19 is a list of sewers ordered in but not built up to January 1, 1910. The table is compiled from the first, second, fourth and eighth columns of tables Nos. 15 and 16.

Table No. 20 is a summary of Tables Nos. 15 and 16.

TABLE No. 14.

PETITIONS ACTED UPON BY THE COMMITTEE ON SEWERS AND DRAINS DURING THE YEAR 1910.

Location.	Limits.	Distance.	Petition of.	Date of petition.	Withdrawn.	Granted.
Agawam	River road to Davis	240	Mrs. Josephine Hagerty	Aug. 19, 1910		Oct. 24, 1910
Amory	Congress to Kimball	450	Thos. D. Paris	Aug. 19, 1910		Oct. 24, 1910
Beacon	Concord to Lowell	322	Chas. B. Sturtevant	May 20, 1910		Oct. 24, 1910
Beech east back	Webster to Christian brook sewer	182	M. E. Sanctuary	May 7, 1907	Oct. 24, 1910	
Bell south back	Pine east back to Union	374	Patrick Healey	June 10, 1910		June 30, 1910
Brooklyn avenue	Jewett to Cypress	440	Erick G. Johnson	June 27, 1906	Oct. 24, 1910	
Christian brook sewer	East of Beech to Beech east back	128	M. E. Sanctuary	May 7, 1907	Oct. 24, 1910	
Cumberland	Amory to Monitor	650	Richard Strobel	Mar. 22, 1907	Oct. 24, 1910	
Dix	Lincoln to Wilson	670	Patrick Welch	May 13, 1908		Oct. 24, 1910
Frederick	175 ft. east of Second, easterly 75 ft.	75	Louis Kuhn	May 14, 1908		Oct. 24, 1910
Harvard	Lincoln to Wilson	670	Kimball Carriage Co.	June 13, 1910		Oct. 24, 1910
Harrison	East of Linden to Hall	577	John Sprague	June 1, 1910		Oct. 24, 1910
Hayward	Beech to Maple	650	Michael J. Clare	June 27, 1910		Oct. 24, 1910
Hayward	Porter to Riley avenue	324	George W. Turney	May 14, 1908	Oct. 24, 1910	
High, East	Highland to Jewett	332	W. A. Burgess			Oct. 24, 1910
Highland	Bridge to East High	323	George Albert Guertin	Aug. 19, 1910		Sept. 15, 1910
Hillside avenue	Milford, southerly 176 feet	176	Frank Pallmar	Aug. 25, 1910		Oct. 24, 1910
Huntress	McDuffie to Bank	240	August Schmalfuss	Dec. 7, 1908		Oct. 24, 1910
Lincoln	Silver to Harvard	306	Kimball Carriage Co.	June 13, 1910		Oct. 24, 1910
Lincoln	Shasta to Dix	479	Patrick Welch	May 13, 1908	Oct. 24, 1910	
Longwood avenue	Mammoth road to Revere avenue	631	Adelard Labrecque	Mar. 16, 1907	Oct. 24, 1910	
Shasta	Maple to Lincoln	600	C. H. Dennis	Sept. 17, 1907		Oct. 24, 1910
Sullivan	Thornton, westerly 500 feet	500	Karl Gossler	Apr. 1, 1910		May 2, 1910
Summer	Hall to Belmont	347	Jerry Gustafson	Apr. 25, 1910		May 3, 1910
Weston	Bridge to Lowell	687	Philip A. Baker	Aug. 12, 1910		Oct. 24, 1910
Woodbine avenue	Glenwood avenue to Candia road	1,111	Frederick A. Platts	Mar. 16, 1909	Oct. 24, 1910	
Youville	Kelley, northerly 200 feet	200	Louis W. Daniels	May 20, 1910		June 30, 1910
		11,320				

TABLE No. 15.

SEWERS ORDERED IN BUT NOT BUILT UP TO JANUARY 1, 1910.

Location.	Limits.	Distance.	Date of order.	Built during 1910.		Not Needed.	Not Built.
				Distance.	Excess.	Distance.	Distance.
Adams	Carpenter to Trenton	531	Dec. 19, 1902				531
Ainsworth avenue	Hayward to Young	155	May 31, 1905				155
Amherst	Union to Ashland	2,600	May 2, 1893				2,600
Albert	Harrison to Brook	366	Jan. 23, 1906				366
Amory	Alsace to Joliette	252	Oct. 7, 1902	192			60
Auburn	Cypress, easterly	300	May 2, 1899				300
Auburn south back	Hall, easterly	150	Jan. 7, 1896				150
Baker	Elm to Calef road	486	Aug. 3, 1909				486
Bartlett	Sullivan, southerly	127	Mar. 6, 1906				127
Bay	Clarke to Carpenter	683	Apr. 14, 1903				683
Beacon	Amherst to Concord	71	Nov. 10, 1896				71
Beech	Harvard to Hayward	144	Oct. 4, 1898	71			73
Beech	Somerville to Shasta	192	Nov. 23, 1906				192
Beech	Bridge to Orange	573	Dec. 6, 1900				573
Belmont	Old Bridge to Bridge	200	Jan. 7, 1896				200
Blaine	Second to Hiram	228	Dec. 6, 1892				228
Blaine	Second to Third	107	May 2, 1905				107
Bowman	Mast to Milford	455	Oct. 7, 1902				455
Bridge	Beacon to Weston	54	July 25, 1902				54
Bridge	Weston to Highland	550	Apr. 24, 1907				550
Brook	Maple to Oak	192	June 4, 1907				192
Byron	Brown avenue to Josselyn	1,030	Sept. 27, 1909				1,030
Calef road	Baker, northerly	49	June 4, 1901				49
Cedar south back	Beech, westerly	175	May 5, 1896				175
Cedar south back	Maple to Lincoln	96	May 13, 1903				96
Central	Milton to Beacon	307	Sept. 6, 1898				307
Central south back	Chestnut to Union	860	July 9, 1901				860
Charleston avenue	Rochelle avenue to Brock	531	June 12, 1906	508		23	
Chester	Lincoln to Ashland	277	July 5, 1904				277
Chestnut	Carpenter to Trenton	147	Oct. 7, 1902				147
Clarke	Elm to Chestnut	290	Apr. 14, 1903				290

Clay	Union to Beech	492	Nov.	27, 1908				492
Clay	Lincoln to Wilson	232	July	21, 1908				232
Clay	Taylor to Cypress	246	July	21, 1908				246
Colby	West Hancock to Log	270	June	12, 1906				270
Columbus	Amory, southerly	128	July	26, 1899				128
Concord	Pine east back to Union	152	Sept.	12, 1899				152
Concord	Dutton, westerly	97	Feb.	2, 1904				97
Concord	Hall, easterly	86	Sept.	6, 1887				86
Concord	Weston to Hubbard	101	Sept.	27, 1905				101
Cumberland	Amory to Monitor	156	Aug.	3, 1909				156
Dix	Wilson to Hall	89	Sept.	27, 1905				89
Dix	Taylor to Cypress	442	July	15, 1904				442
Dover	Clinton, northerly	160	Sept.	4, 1894				160
Dutton	Concord, easterly	300	Feb.	2, 1904				300
Elm	Railroad bridge to Elm avenue	1,285	May	6, 1890				1,285
Elm	Monroe south back to Clarke	707	June	4, 1895				707
Elm	Trenton to Rowell	448	Feb.	4, 1896				448
Foster avenue	Valley to Hayward	140	July	14, 1896				140
Frederick	Second, easterly	175	July	26, 1899	175			
Front	Eddy to north of hotel	2,800	Sept.	5, 1893				2,800
George	North of Milford to Charleston avenue	52	Oct.	7, 1902				52
Grove south back	Wilson, easterly	200	Nov.	2, 1897				200
Hall	Clay to Dix	250	Dec.	19, 1902				250
Hall	Lowell to East High	143	July	25, 1902				143
Hall road	Massabesic to Nelson	601	Aug.	5, 1898				601
Hale	Schiller, southerly	450	Nov.	9, 1894				450
Hanover	East of Alfred to Highland	134	Jan.	4, 1897	329	195		
Harrison	Maple to Oak	350	Oct.	3, 1899				350
Harrison	Linden, easterly	32	Nov.	23, 1906				32
Harrison	Belmont, westerly	65	Sept.	1, 1896				65
Harvell	Hale to South Main	700	Nov.	9, 1894				700
Hayward	Ainsworth avenue to Cypress	148	Sept.	7, 1897				148
Hayward	Maple to Lincoln	389	May	17, 1906				389
Hayward	Union, easterly	85	Feb.	5, 1907				85
Hevey east back	Wayne, northerly	146	Jan.	7, 1896				146
Hevey east back	South of Amory to Columbus avenue	396	July	10, 1893				396
Hevey east back	Kelley to Bremer	184	June	4, 1901				184
High, East	Beacon to Weston	192	July	5, 1904				192
Hosley	Grove to Summer	116	June	26, 1903				116
Hospital avenue	Chase avenue to Massabesic	142	Sept.	14, 1904				142
Huntress	Prince to McDuffie	163	Nov.	3, 1903				163
Jones	Nelson to Benton	285	Aug.	5, 1898				285
Josselyn	Byron to Varney	150	Sept.	27, 1909				150
Knowlton	Hayward, southerly	67	Nov.	23, 1906				67
Knowlton	Hayward, southerly	492	July	21, 1908				492

TABLE No. 15.—*Concluded.*

Location.	Limits.	Distance.	Date of order.	Built during 1910.		Not Needed.	Not Built.
				Distance.	Excess.	Distance.	Distance.
Lincoln	Silver to Clay	248	July 21, 1908				248
Main, South	Schiller to Allen	1,340	Dec. 4, 1900				1,340
Mammoth road	Hayward to No. 155	15	May 17, 1906				15
Mammoth road	No. 155 to Young	818	Nov. 27, 1908				818
Mammoth road	Massabesic to Nelson	32	May 2, 1899				32
Mammoth road	Nelson, northerly	500	Aug. 5, 1898				500
Maple	Prospect to Harrison	172	Oct. 19, 1905	73			99
Massabesic	Hall road to Mammoth road	831	Mar. 2, 1899				831
Mast	Rochelle avenue to Brock	176	Dec. 31, 1901				176
Mast road	Wilkins, southerly	176	July 26, 1907	174		2	
Merrill	Jewett, easterly	34	June 5, 1900				34
Montgomery east back	Kelley to Bremer	309	Dec. 31, 1901				309
Oakland avenue	Revere avenue to Woodland avenue	1,250	Dec. 31, 1905	180			1,070
Orange	Belmont, westerly	65	Feb. 4, 1896				65
Pine	Silver to Plummer	320	Oct. 3, 1899				320
Pine east back	Grove south back to Bell south back	43	Nov. 27, 1908	43			
Pine east back	South of Concord to Concord	160	Sept. 12, 1899				160
Prescott	Maple, easterly	21	June 26, 1903				21
Prescott	Hall, westerly	80	Oct. 1, 1907				80
Prospect	Hall, easterly	100	Sept. 3, 1895				100
Reed east back	Amory to Kelley	104	Oct. 1, 1907				104
Riley avenue	South of Hayward, southerly 150 feet	75	Aug. 3, 1909				75
Rimmon	South of Wayne to Putnam	164	Aug. 6, 1901				164
Rimmon east back	Kelley to Mason	800	Sept. 7, 1897				800
River road	Clarke to Park avenue	26	Nov. 2, 1897	26			
Russell	South of Blodget to Sagamore	770	Oct. 3, 1899				770
Sagamore	Chestnut to Pine	362	July 31, 1903				362
Sagamore	Linden, easterly 150 feet	50	Sept. 7, 1909				50
Salmon	Beech to Ash	126	Sept. 7, 1909				126
Schiller	Hale to South Main	850	Nov. 10, 1896	142			708
Somerville	Union to Maple	512	Aug. 2, 1898				512
Somerville	Hall to west of Cypress	386	Dec. 19, 1902	202			184
Somerville	Jewett, easterly 250 feet	250	Aug. 3, 1909				250
Spruce, East	Kenney, westerly	95	Apr. 2, 1907				95

Sylvester	Milford to Avon	546	July 26, 1899				546
Taylor	South of Valley, southerly	75	Oct. 2, 1900				75
Thornton	Wayne to Putnam	155	Mar. 6, 1906				155
Union	Plummer to Clay	299	Nov. 27, 1908	601	302		
Union	Clarke to Trenton	180	July 2, 1895				180
Union	Trenton, northerly	401	Oct. 7, 1902				401
Union east back	South of Christian brook, southerly	50	Aug. 6, 1895				50
Valley	Cypress, westerly	133	Jan. 4, 1897				133
Valley	Elm to Wilson	2,396	Nov. 7, 1893				2,396
Varney	Josselyn to Merrimack river	550	Sept. 27, 1909				550
Walnut	Salmon, southerly	105	Jan. 29, 1897				105
Walnut	Webster, northerly	204	July 31, 1903	36			168
Walnut east back	Salmon, northerly	88	Nov. 10, 1896				88
Warner	Wilkins, southerly 150 feet	150	Aug. 3, 1909	126			24
Wilkins	Mast road to Warner	520	Aug. 3, 1909	536	16		
William	Milford to Mast	522	Oct. 3, 1899				522
Willow	Silver to Baker	100	Dec. 4, 1900				100
		44,350		3,414	513	25	41,424

TABLE No. 16.

SEWERS ORDERED IN DURING THE YEAR 1910.

Location.	Limits.	Distance.	Date of order.	Built During 1910.		Not Needed.	Not Built.
				Distance.	Excess.	Distance.	Distance.
Agawam	River road to Davis	240	Dec. 6, 1910	.....	.....	.....	240
Amory	Congress to Kimball	450	Dec. 6, 1910	.....	.....	.....	450
Beacon	Concord to Lowell	322	Dec. 6, 1910	161	.....	.....	161
Bell south back	Pine east back to Union	374	Aug. 2, 1910	374	.....	.....	.....
Cumberland	Amory to Monitor	650	Dec. 6, 1910	.....	.....	.....	650
Dix	Lincoln to Wilson	670	Dec. 6, 1910	.....	.....	.....	670
Frederick	175 feet east of Second, easterly 75 feet	75	Dec. 6, 1910	384	309	.....	.....
Harrison	East of Linden to Hall	577	Dec. 6, 1910	.....	.....	.....	577
Harvard	Lincoln to Wilson	670	Dec. 6, 1910	.....	.....	.....	670
Hayward	Beech to Maple	650	Dec. 6, 1910	.....	.....	.....	650
High, East	Highland to Jewett	332	Dec. 6, 1910	.....	.....	.....	332
Hillside avenue	Milford, southerly 176 feet	176	Dec. 6, 1910	.....	.....	.....	176
Huntress	McDuffie to Bank	240	Dec. 6, 1910	.....	.....	.....	240
Lincoln	Harvard to Silver	306	Dec. 6, 1910	.....	.....	.....	306
Shasta	Maple to Lincoln	600	Dec. 6, 1910	.....	.....	.....	600
Sullivan	Thornton, westerly 500 feet	500	June 7, 1910	.....	.....	.....	500
Summer	Hall to Belmont	347	June 27, 1910	100	.....	.....	247
Weston	Bridge to Lowell	687	Dec. 6, 1910	.....	.....	.....	687
Youville	Kelley, northerly 200 feet	200	Aug. 15, 1910			.....	92
				108	.....		
		8,066		1,127	309	.....	7,248

TABLE No. 17.

SEWERS BUILT IN 1910 WITHOUT AN ORDER.

Location.	Limits.	Distance.
Bedford	Payson to Payson south back	100
Beech	Christian brook, northerly	533
Boutwell	Kelley, southerly	232
Brown avenue	Vernon to Byron	242
Central, West	State to Canal	512
Central, West	Canal, westerly	86
Elm*	North of Orange, northerly	255
Frederick	Second to Wentworth	309
Glenwood avenue	Highland Park avenue to Woodland avenue	242
Hanover	East of Alfred, easterly	195
Highland Park avenue	Glenwood avenue to Oakland avenue	451
Kelley	Laval to Boutwell	250
Longwood avenue	Revere avenue to Woodbine avenue	500
Main, South	Schiller, southerly	1,122
Main, South	Harvell, north and south	328
Merrill	Elm east back to Willow	144
Newell south back	State to Bedford	221
Orchard avenue	Oakland avenue to Candia road	662
Payson south back	State to Bedford	240
Revere avenue	Oakland avenue to Longwood avenue	308
River road	South of Park avenue, northerly	320
River road	Park avenue, northerly	80
Second	Frederick, southerly	44
Shasta*	Brown avenue, easterly	40
State	Granite to 250 feet north of West Central	888
Union	Somerville to south of Clay	302
Vernon	Hamilton to Brown avenue	202
Webster*	Chestnut, westerly	137
Wentworth	West Hancock to Frederick	141
Wilkins	Mast road to Warner	16
Woodbine avenue	Longwood avenue, southerly	74
Woodland avenue	Glenwood avenue to Oakland avenue	465
		9,641

* For cesspools.

TABLE No. 18.

PIPE REMOVED WHERE SEWERS HAVE BEEN RELAID.

LOCATION.	LIMITS.	PIPE REMOVED.			PIPE LAID.		
		Material.	Size in inches.	Length in feet.	Material.	Size in inches.	Length in feet.
Pine east back	Bell to Bell south back	Akron.	8	83	Akron.	15	83

TABLE No. 19.

SEWERS ORDERED IN BUT NOT BUILT UP TO JANUARY 1, 1911.

Location.	Limits.	Distance.	Date of order.
Adams	Carpenter to Trenton	531	Dec. 19, 1902
Agawam	River road to Davis	240	Dec. 6, 1910
Ainsworth avenue	Hayward to Young	155	May 31, 1905
Amherst	Union to Ashland	2,600	May 2, 1893
Albert	Harrison to Brook	366	Jan. 23, 1906
Amory	Alsace to Joliette	60	Oct. 7, 1902
Amory	Congress to Kimball	450	Dec. 6, 1910
Auburn	Cypress, easterly	300	May 2, 1899
Auburn south back	Hall, easterly	150	Jan. 7, 1896
Baker	Elm to Calef road	486	Aug. 3, 1909
Bartlett	Sullivan, southerly	127	March 6, 1906
Bay	Clarke to Carpenter	683	April 14, 1903
Beacon	Concord to Lowell	161	Dec. 6, 1910
Beech	Harvard to Hayward	144	Oct. 4, 1898
Beech	Somerville to Shasta	192	Nov. 23, 1906
Beech	Bridge to Orange	573	Dec. 6, 1900
Belmont	Old Bridge to Bridge	200	Jan. 7, 1896
Blaine	Second to Hiram	228	Dec. 6, 1892
Blaine	Second to Third	107	May 2, 1905
Bowman	Mast to Milford	455	Oct. 7, 1902
Bridge	Beacon to Weston	54	July 25, 1902
Bridge	Weston to Highland	550	April 24, 1907
Brook	Maple to Oak	192	June 2, 1907
Byron	Brown avenue to Josselyn	1,030	Sept. 27, 1909
Calef road	Baker, northerly	49	June 4, 1901
Cedar south back	Beech, westerly	175	May 5, 1896
Cedar south back	Maple to Lincoln	96	May 13, 1903
Central	Milton to Beacon	307	Sept. 6, 1898
Central south back	Chestnut to Union	860	July 9, 1901
Chester	Lincoln to Ashland	277	July 5, 1904
Chestnut	Carpenter to Trenton	147	Oct. 7, 1902
Clarke	Elm to Chestnut	290	April 14, 1903
Clay	Union to Beech	492	Nov. 27, 1908
Clay	Lincoln to Wilson	232	July 21, 1908
Clay	Taylor to Cypress	246	July 21, 1908
Colby	West Hancock to Log	270	June 12, 1906
Columbus	Amory, southerly	128	July 26, 1899
Concord	Pine east back to Union	152	Sept. 12, 1899
Concord	Dutton, westerly	97	Feb. 2, 1904
Concord	Hall, easterly	86	Sept. 6, 1887
Concord	Weston to Hubbard	101	Sept. 27, 1905
Cumberland	Amory to Monitor	156	Aug. 3, 1909
Cumberland	Amory to Monitor	650	Dec. 6, 1910
Dix	Lincoln to Wilson	670	Dec. 6, 1910
Dix	Wilson to Hall	89	Sept. 27, 1905
Dix	Taylor to Cypress	442	July 15, 1904
Dover	Clinton, northerly	160	Sept. 4, 1894
Dutton	Concord, easterly	300	Feb. 2, 1904
Elm	Railroad bridge to Elm avenue	1,285	May 6, 1890
Elm	Monroe south back to Clarke	707	June 4, 1895
Elm	Trenton to Rowell	448	Feb. 4, 1896
Foster avenue	Valley to Hayward	140	July 14, 1896
Front	Eddy to north of hotel	2,800	Sept. 5, 1893
George	North of Milford to Charleston av.	32	Oct. 7, 1902
Grove south back	Wilson, easterly	200	Nov. 2, 1897
Hall	Clay to Dix	250	Dec. 19, 1902
Hall	Lowell to East High	148	July 25, 1902
Hall road	Massabesic to Nelson	601	Aug. 5, 1893
Hale	Schiller, southerly	450	Nov. 9, 1894
Harrison	Linden, easterly	52	Nov. 23, 1906
Harrison	Maple to Oak	350	Oct. 3, 1899
Harrison	East of Linden to Hall	577	Dec. 6, 1910
Harrison	Belmont, westerly	65	Sept. 1, 1896

TABLE No. 19.—*Continued.*

Location.	Limits.	Distance.	Date of order.
Harvard	Lincoln to Wilson	670	Dec. 6, 1910
Harvell	Hale to South Main	700	Nov. 9, 1894
Hayward	Beech to Maple	650	Dec. 6, 1910
Hayward	Ainsworth avenue to Cypress	148	Sept. 7, 1897
Hayward	Maple to Lincoln	389	May 17, 1906
Hayward	Union, easterly	85	Feb. 5, 1907
Hevey east back	Wayne, northerly	146	Jan. 7, 1896
Hevey east back	South of Amory to Columbus ave.	396	July 10, 1893
Hevey east back	Kelley to Bremer	184	June 4, 1901
High, East	Beacon to Weston	192	July 5, 1904
High, East	Highland to Jewett	332	Dec. 6, 1910
Hillside avenue	Milford, southerly 176 feet	176	Dec. 6, 1910
Hosley	Grove to Summer	116	June 26, 1903
Hospital avenue	Chase avenue to Massabesic	142	Sept. 14, 1904
Huntress	Prince to McDuffie	163	Nov. 3, 1903
Huntress	McDuffie to Bank	240	Dec. 6, 1910
Jones	Nelson to Benton	285	Aug. 5, 1898
Josselyn	Byron to Varney	150	Sept. 27, 1909
Knowlton	Hayward, southerly	67	Nov. 23, 1906
Knowlton	Hayward, southerly	492	July 21, 1908
Lincoln	Harvard to Silver	306	Dec. 6, 1910
Lincoln	Silver to Clay	248	July 21, 1908
Main, South	Schiller to Allen	1,340	Dec. 4, 1900
Mammoth road	Hayward to No. 155	15	May 17, 1906
Mammoth road	No. 155 to Young	818	Nov. 27, 1908
Mammoth road	Massabesic to Nelson	32	May 2, 1899
Mammoth road	Nelson, northerly	500	Aug. 5, 1898
Maple	Prospect to Harrison	99	Oct. 19, 1905
Massabesic	Hall road to Mammoth road	831	March 2, 1899
Mast	Rochelle avenue to Brock	176	Dec. 31, 1901
Merrill	Jewett, easterly	34	June 5, 1900
Montgomery east back	Kelley to Bremer	309	Dec. 31, 1901
Oakland avenue	Revere avenue to Woodland avenue	1,070	Dec. 13, 1905
Orange	Belmont, westerly	65	Feb. 4, 1896
Pine	Silver to Plummer	320	Oct. 3, 1899
Pine east back	South of Concord to Concord	160	Sept. 12, 1899
Prescott	Maple, easterly	21	June 26, 1903
Prescott	Hall, westerly	80	Oct. 1, 1907
Prospect	Hall, easterly	100	Sept. 3, 1895
Reed east back	Amory to Kelley	104	Oct. 1, 1907
Riley avenue	South of Hayward southerly 150 ft	75	Aug. 3, 1909
Rimmon	South of Wayne to Putnam	164	Aug. 6, 1901
Rimmon east back	Kelley to Mason	800	Sept. 7, 1897
Russell	South of Blodget to Sagamore	770	Oct. 3, 1899
Sagamore	Chestnut to Pine	362	July 31, 1903
Sagamore	Linden, easterly 150 feet	50	Sept. 7, 1909
Salmon	Beech to Ash	126	Sept. 7, 1909
Schiller	Hale to South Main	708	Nov. 10, 1896
Shasta	Maple to Lincoln	600	Dec. 6, 1910
Somerville	Union to Maple	512	Aug. 2, 1898
Somerville	Hall to west of Cypress	184	Dec. 19, 1902
Somerville	Jewett, easterly 250 feet	250	Aug. 3, 1909
Spruce, East	Kenney, westerly	95	April 2, 1907
Sullivan	Thornton, westerly 500 feet	500	June 7, 1910
Summer	Hall to Belmont	247	June 27, 1910
Sylvester	Milford to Avon	546	July 26, 1899
Taylor	South of Valley, southerly	75	Oct. 2, 1900
Thornton	Wayne to Putnam	155	March 6, 1906
Union	Clarke to Trenton	180	July 2, 1895
Union	Trenton, northerly	401	Oct. 7, 1902
Union east back	South of Christian brook, southerly	50	Aug. 6, 1895
Valley	Cypress, westerly	133	Jan. 4, 1897
Valley	Elm to Wilson	2,396	Nov. 7, 1893
Varney	Josselyn to Merrimack river	550	Sept. 27, 1909
Walnut	Salmon, southerly	105	Jan. 29, 1897

TABLE No. 19.—*Concluded.*

Location.	Limits.	Distance.	Date of order.
Walnut	Webster, northerly	168	July 31, 1903
Walnut east back	Salmon, northerly	88	Nov. 10, 1896
Warner	Wilkins, southerly 150 feet	24	Aug. 3, 1909
Weston	Bridge to Lowell	687	Dec. 6, 1910
Williams	Milford to Mast	522	Oct. 3, 1899
Willow	Silver to Baker	100	Dec. 4, 1900
Youville	Kelley, northerly 200 feet	92	Aug. 15, 1910
		48,692	

TABLE No. 20.

SUMMARY.

Table No. 15, column 3 (ordered in January 1, 1910)	44,350	
Table No. 15, column 5 (built)		3,414
Table No. 15, column 6 (built in excess of order)	513	
Table No. 15, column 7 (not needed)		25
Table No. 15, column 8 (not built)		41,424
Table No. 16, column 3 (ordered in during 1910)	8,066	
Table No. 16, column 5 (built)		1,127
Table No. 16, column 6 (built in excess of order)	309	
Table No. 16, column 7 (not built)		7,248
	53,238	53,238
Sewers built in 1910 of those ordered in to January 1, 1911, feet		3,719
Sewers built in 1910 without orders (feet)		9,641
Sewers relaid in 1910 without orders (feet)		83
Total length of sewers built in 1910 (feet)		13,443

Sewerage System.

Table No. 21 gives the location, material, size, length, manholes new, manholes rebuilt, lampholes new, lampholes removed, house connections and cesspool connections built during the year 1910.

Table No. 22 gives the material, size and length of all public sewers in the city of Manchester, January 1, 1911. This table gives the total length in feet of each size of sewer and the number of manholes on each size, also total length in feet and miles of each material.

Table No. 23 is a summary of the sewerage system by years from January 1, 1880, to January 1, 1911. It gives the length in miles constructed and cost each year, also the average cost per mile for each year. The third column gives the number of miles constructed to date each year. It is noted that on January 1, 1880, there were 17.06 miles constructed, the cost not being recorded. January 1, 1890, there were recorded 2,003 house connections; beginning with this date columns four and five give the number of connections recorded each year and the total number recorded to date each year.

TABLE No. 21.

SEWERS BUILT IN 1910.

Location.	Limits	Material.	Size in inches.	Length in feet (new).	Length in feet (relaid).	Manholes (new).	Manholes (rebuilt).	Lampholes (new).	Lampholes (removed).	House connections.	Cesspool connections.
Amory	Joliette, easterly	Akron	10	192	....	....	....	1	.....	6	.....
Beacon	South of Concord to north of Concord	"	10	232	....	1	....	1	.....	7	.....
Bedford	Payson to Payson south back	"	10	10	....	....	....	....	.....	.....	.....
Bedford	Payson to Payson south back	"	8	90	....	1	....	....	.....	.....	1
Beech	Christian brook, northerly	"	12	217	....	1	....	1	.....	7	.....
Beech	Christian brook, southerly	"	12	316	....	1	....	....	.....	11	.....
Bell south back	Pine east back to Union	"	12	374	....	1	....	....	.....	12	.....
Boutwell	Kelley, southerly	"	10	232	....	....	....	1	.....	8	.....
Brown avenue	Vernon to Byron	"	10	242	....	2	....	....	.....	6	1
Central, West	State to Canal	"	24	160	....	1	....	....	.....	.....	.....
Central, West	State to Canal	"	20	154	....	1	....	....	.....	.....	.....
Central, West	State to Canal	"	18	38	....	1	....	....	.....	.....	.....
Central, West	State to Canal	"	15	160	....	2	....	....	.....	.....	.....
Central, West	Canal, westerly	"	10	86	....	1	....	....	.....	2	.....
Charleston avenue	Rochelle avenue, westerly	"	10	309	....	1	....	....	.....	6	.....
Charleston avenue	Rochelle avenue, westerly	"	8	199	....	1	....	....	.....	6	.....
Elm	North of Orange, northerly	"	12	255	....	2	....	....	.....	.....	.....
Frederick	Second to Wentworth	"	15	559	....	1	1	....	.....	17	.....
Glenwood avenue	Highland Park avenue to Woodland avenue	"	24	242	....	1	....	....	.....	.....	.....
Hanover	East of Alfred, easterly	"	10	329	....	1	....	....	.....	10	.....
Highland Park avenue	Glenwood avenue to Oakland avenue	"	12	451	....	2	....	....	.....	18	1
Kelley	Laval to Boutwell	"	24	250	....	1	....	....	.....	6	.....
Longwood avenue	Revere avenue to Woodbine avenue	"	10	500	....	2	....	....	.....	12	.....
Main, South	Schiller, southerly	"	22	804	....	2	....	....	.....	.....	.....
Main, South	Schiller, southerly	"	8	318	....	....	....	....	.....	10	.....
Main, South	Harvell, north and south	"	8	328	....	....	....	1	.....	10	.....
Maple	Harrison, southerly	"	10	73	....	....	....	1	.....	1	1
Mast road	Fogg avenue to Wilkins	"	12	174	....	2	....	....	.....	6	.....
Merrill	Elm east back to Willow	"	10	144	....	1	....	1	.....	.....	.....
Newell south back	State to Bedford	"	12	221	....	2	....	....	.....	8	.....

Oakland avenue	Highland Park avenue, easterly	"		10	180	....	....	....	1	.....	6	1
Orchard avenue	Oakland avenue to Candia road	"		10	662	....	3	....	....	.....	24	.....
Payson south back	State to Bedford	"		12	240	....	2	....	....	.....	10	.....
Pine east back	Bell to Bell south back	"		15	43	83	1	....	....	1	4	.....
Revere avenue	Oakland avenue to Longwood avenue	"		12	308	....	1	....	....	.....	10	.....
River road	South of Park avenue, northerly	"		24	346	....	2	....	....	.....	.....	.....
River road	Park avenue, northerly	"		8	80	....	1	....	....	.....	1	.....
Schiller	South Main, easterly	"		20	142	....	1	....	....	.....	2	.....
Second	Frederick, southerly	"		15	44	....	1	....	....	.....	1	.....
Shasta	Brown avenue, easterly	"		10	40	....	....	....	....	.....	.....	2
Somerville	Taylor, westerly	"		10	202	....	1	....	....	.....	4	.....
State	Granite to West Central	"		24	638	....	9	....	....	.....	5	.....
State	West Central, northerly	"		12	250	....	3	....	....	.....	2	.....
Summer	Hall, easterly	"		10	100	....	....	....	....	.....	2	2
Union	Somerville to south of Clay	"		24	112	....	....	....	1	.....	5	.....
Union	Somerville to south of Clay	"		20	489	....	2	....	....	.....	13	.....
Vernon	Hamilton to Brown avenue	"		12	202	....	2	....	....	.....	6	.....
Walnut	Webster, northerly	"		10	36	....	....	....	1	1	2	.....
Warner	Wilkins, southerly	"		10	126	....	....	....	1	.....	4	.....
Webster	Chestnut, westerly	"		10	137	....	....	....	1	.....	.....	2
Wentworth	West Hancock to Frederick	"		15	141	....	1	....	....	.....	4	.....
Wilkins	Mast road to Warner	"		12	536	....	2	....	....	.....	16	.....
Woodbine avenue	Longwood avenue, southerly	"		10	74	....	....	....	....	.....	3	.....
Woodland avenue	Glenwood avenue to Oakland avenue	"		12	465	....	2	....	....	.....	16	.....
Youville	Kelley, northerly	"		10	108	....	....	....	1	.....	3	.....
					13,360	83	66	1	13	2	312	11

TABLE No. 22.

MATERIAL, SIZE AND LENGTH OF SEWERS JANUARY 1, 1911.

Size in Inches.	Akron.	Portland (old).	Portland (new).	Cement.	Earthen.	Brick.	Cast-iron.	Steel riveted.	Total feet.	Man-holes.
6	330								330	1
8	14,620	90	601				24		15,335	25
9				7,437					7,437	1
10	126,050	3,990	11,730		1,175		90		143,035	402
12	105,257		8,269	18,227	2,055		34		133,842	307
14							24		24	
15	41,317		5,338	490			70		47,215	162
18	6,328	770	1,815	860		4,867			14,640	44
20	15,254		4,372				158		19,784	70
22	804		958						1,762	7
24	24,811		5,583	735		1,900	36	67	33,132	160
16x24				1,697					1,697	7
27			465						465	3
29						1,600			1,600	
36						506	277.5	39	822.5	1
42						446			446	
44						1,195			1,195	2
48								372	372	3
57						1,400			1,400	2
60						285			285	1
17x26						1,506			1,506	4
20x30						1,197			1,197	5
22x33						849			849	3
24x36						11,051			11,051	39
26x39						514			514	2
29½x44						4,530			4,530	10
30x46						1,360			1,360	1
32x48						3,279			3,279	10
36x54						1,067			1,067	4
38x57						4,388			4,388	8
40x44						790			790	4
42x63						3,104			3,104	9
50x75						712			712	2
Total feet	334,771	4,850	39,131	29,446	3,230	46,546	713.5	478	459,165.5	1,299
Total miles	63.404	0.919	7.411	5.577	0.611	8.816	0.135	0.09	86.963	

TABLE No. 23.

SUMMARY OF SEWERAGE SYSTEM SINCE 1880.

Year.	Miles constructed during year.	Miles constructed to date.	House connections recorded during year.	House connections recorded to date.	Cost of sewers.	Average cost per mile.
1880	1.62	18.66	.....	.....	$19,919.40	$12,295.92
1881	2.18	20.84	.....	.....	23,895.12	10,961.06
1882	3.37	24.21	.....	.....	24,148.13	7,165.65
1883	2.54	26.75	.....	.....	21,452.05	8,445.69
1884	1.73	28.48	.....	.....	21,548.60	12,445.84
1885	1.56	30.04	.....	.....	28,122.84	18,027.46
1886	2.15	32.19	.....	.....	44,479.15	20,687.97
1887	1.44	33.63	.....	.....	19,893.92	13,815.22
1888	1.73	35.36	.....	.....	31,154.19	18,008.20
1889	2.66	38.02	.....	2,003	27,513.73	10,343.51
1890	1.81	39.83	64	2,067	39,297.97	21,711.58
1891	3.08	42.91	153	2,220	55,409.73	17,990.17
1892	3.13	46.04	214	2,434	39,724.65	12,691.68
1893	3.31	49.35	191	2,625	51,392.15	15,526.33
1894	2.91	52.26	258	2,883	46,116.01	15,847.42
1895	3.98	56.24	255	3,138	71,859.36	18,055.11
1896	4.73	60.97	237	3,375	66,408.87	14,099.33
1897	*3.93	64.44	283	3,658	36,258.41	9,226.05
1898	*3.76	67.62	520	4,178	34,939.51	9,292.42
1899	*1.54	69.03	208	4,386	16,683.39	10,819.31
1900	*1.14	70.17	231	4,617	13,748.41	12,091.58
1901	1.74	71.91	227	4,844	14,724.39	8,462.29
1902	*1.95	73.46	186	5,030	20,973.05	10,755.41
1903	1.41	74.87	190	5,220	17,330.32	12,291.00
1904	*3.22	76.75	300	5,520	25,574.79	11,520.17
1905	*1.91	78.51	319	5,839	23,437.19	12,270.78
1906	*1.35	79.69	163	6,002	21,313.20	15,787.55
1907	*2.04	81.63	199	6,201	25,631.95	12,564.68
1908	*1.48	83.03	198	6,399	12,818.59	8,661.21
1909	*1.40	84.43	173	6,572	16,055.97	11,468.55
1910	*2.53	86.96	312	6,884	30,124.03	11,906.73
Total	.....	.....	.....	.....	† $941,949.07	

* Includes old sewers relaid.

† Total cost for 31 years.

Abstract Report of the Board of Examiners of Plumbers.

In accordance with an act (chapter 55, Laws of 1899) passed by the New Hampshire state legislature, entitled "An act authorizing the examination of plumbers and regulating the practice of plumbing and house draining," a board of examiners of plumbers was appointed by the mayor as follows: William K. Robbins of the board of health, Christian L. Wolf, a master plumber, and Samuel J. Lord, chief engineer (William K. Robbins, president, and Samuel J. Lord, clerk).

Following is a statement of the expenditures of the board for the year 1910:

THE JOHN B. CLARKE CO.

July 27. To printing 300 reports, board of examiners of plumbers, bound in with engineer's department report, 5 pages @ 65c. per page $3.25

JOHN B. VARICK CO.

Nov. 8.	To 1 No. 20 Clayton & Lambert firepot.....		$4.00

PIKE & HEALD CO.

Jan. 11.	To 68 lbs. lead pipe @ 8c.....	$5.44	
	2 4″ brass ferrules @ 60c.....	1.20	
	2 4″ hub ends @ 20c.....	.40	
	12½ lbs. of solder @ 22c.....	2.75	
	2 gals. of gasoline @ 25c.....	.50	
			$10.29
Mar. 16.	To 2 gals. of gasoline @ 25c.....		$0.50
June 25.	To 1 pc. 4″ soil pipe, hub end.....	$0.20	
July 30.	To 30½ lbs. lead pipe @ 7¼c.....	2.22	
	12 lbs. wiping solder @ 24c...	2.88	
	1 4 x 4 brass ferrule.....	.55	
	1 4″ lt. hub end, 12″.....	.20	
			$6.05
Dec. 3.	To 1 hub end 4″ light soil pipe 13″ long	$0.20	
	1 4″ brass ferrule.....	.55	
	20 lbs. 1¼″ lead pipe @ 7¼c...	1.45	
	48½ lbs. 4″ lead pipe @ 7¼c...	3.52	
	12 lbs. wiping solder @ 24c...	2.88	
			$8.60

TEMPLE & FARRINGTON CO.

Mar. 28.	To binding 1 record of board of examiners of plumbers for 1909.....		$0.85
			$33.54

SUMMARY.

Appropriated to the board of examiners of plumbers for the year 1910		$50.00
Expenses of the board during the year.....	$33.54	
Balance unexpended	16.46	
	$50.00	$50.00
Renewal fees received for 41 plumbers' certificates @ 50c. each (a renewal fee of 50c. is required by state law).....	$20.50	
Renewal fees received for 41 plumbers' licenses @ 50c. each (required by law).....	20.50	
Examination fee for 5 plumbers' licenses @ $1.00 each (required by law).....	5.00	
Paid to the city treasurer (the state law requires all fees to be paid into the city treasury)		$46.00
	$46.00	$46.00

Table No. 24 gives the name, address, and number of the application of each and every person making renewal application to the board for a plumber's certificate. This table also gives the class of the certificate (master or journeyman), the number of the certificate, the dates of renewal, and expiration of the certificate, also the renewal fee paid by the applicant.

Table No. 25 gives the name, address and number of the application of each and every person making renewal application to the board for a plumber's license. This table also gives the class of the license (master or journeyman), the number of the license, dates of renewal and expiration of the license, and also the renewal fee paid by the applicant.

Table No. 26 gives the name, address and number of application of each and every person making application to the board for a plumber's license. This table also gives the class of the license (master or journeyman), the number of the license, dates of issue and expiration of the license, also fee paid by the applicant.

Table No. 27 is a summary of Tables Nos. 24, 25, and 26.

TABLE No. 24.

PLUMBERS' CERTIFICATES RENEWED DURING THE YEAR 1910.

Name.	Residence.	No. of application.	Renewal fee received.	Class of plumber.	No. of certificate.	Date of renewal.	Date of expiration.
Amlaw, Ashley A.	777 Grove	19	$0.50	Master.	18	Aug. 31, 1910	Aug. 31, 1911
Bangs, Charles S.	251 Concord	77	.50	"	47	" "	" "
Belanger, Arthur	96 Orange	28	.50	Journeyman.	26	" "	" "
Blood, Frank W.	397 Merrimack	76	.50	Master.	84	" "	" "
Briggs, Thomas J.	60 Parker	34	50	"	65	" "	" "
Caron, Hermenegelde	60 McGregor	63	.50	"	77	" "	" "
Carr, Thomas H.	Cilley Building	101	.50	"	71	" "	" "
Clark, Charles H.	928 Beech	100	.50	Journeyman.	76	" "	" "
Coleman, Michael J.	268 Walnut	7	.50	Master.	7	" "	" "
Colby, James A.	286 Merrimack	105	.50	"	82	" "	" "
Connors, John A.	10 Grove St., Lowell, Mass.	17	.50	Journeyman.	85	" "	" "
Farrell, John D.	31 Amory	89	.50	"	53	" "	" "
Florand, Joseph	97 Orange	35	.50	"	30	" "	" "
Geisler, John	79 Turner	33	.50	"	29	" "	" "
Goodwin, William E.	Hooksett Road	41	.50	Master.	35	" "	" "
Greer, Leslie C.	Grasmere	2	.50	Journeyman.	2	" "	" "
Griffin, Frank W.	340 Harrison	26	.50	Master.	24	" "	" "
Guiney, John J.	Lake Shore Road	104	.50	Journeyman.	59	" "	" "
Heald, Frank E.	289 Concord	92	.50	Master.	70	" "	" "
Knoettner, George	245 Railroad	46	.50	Journeyman.	36	" "	" "
Knoettner, Oscar	326 Main	59	.50	Master.	79	" "	" "
Lane, Frank A.	731 Beech	79	.50	"	48	" "	" "
Larkin, John F.	320 Cedar	75	.50	"	46	" "	" "
Ladoucer, Albert V.	585 Amory	25	.50	Journeyman.	25	" "	" "
Leighton, Frank D.	78 Liberty	23	.50	Master.	61	" "	" "
Lewis, Fred S.	165 Mammoth road	40	.50	"	30	" "	" "
Longval, Delphis	21 Birch	51	.50	Journeyman.	68	" "	" "
Marchand, Joseph F.	577 Rimmon	55	.50	Master.	42	" "	" "
Mayo, Albert F.	265 Belmont	9	50	Journeyman.	9	" "	" "
McDonald, Charles F.	24 Nashua	5	.50	Master.	5	" "	" "
McKenna, John J.	101 Amherst	18	.50	Journeyman.	17	" "	" "
McKenna. Daniel J.	101 Amherst	65	.50	"	92	" "	" "
Merrill, Edwin W.	166 Blodget	74	.50	Master.	54	" "	" "
O'Brien, Martin	123 Amherst	16	.50	"	16	" "	" "
O'Toole, Thomas J.	264 Grove	60	.50	Journeyman.	86	" "	" "
Rivard, Zephirin H.	Hooksett Rd, R. F. D. No. 1	11	.50	"	11	" "	" "
Thornton, John J.	34 Old Bridge	45	.50	"	87	" "	" "
Wolf, Adolph A.	38 Clinton	69	.50	"	45	" "	" "
Wolf, Christian L.	36 Clinton	15	.50	Master.	15	" "	" "

TABLE No. 25.

PLUMBERS' LICENSES RENEWED DURING THE YEAR 1910.

Name.	Residence.	No. of application.	Renewal fee received	Class of plumber.	No. of license.	Date of renewal.	Date of expiration.
Amlaw, Roy A	777 Grove	71	$0.50	Journeyman.	52	Aug. 31, 1910	Aug. 31, 1911
Belanger, Ernest	336 Prospect	12	.50	"	6	" "	" "
Bradley, John J	16 Second, Amoskeag	45	.50	"	33	" "	" "
Breton, Frank	159 Manchester	24	.50	"	18	" "	" "
Brock, Ira C	250 Walnut	23	.50	"	43	" "	" "
Brown, William T	278 Walnut	53	.50	"	14	" "	" "
Chapman, John W	890 Clay	22	.50	"	41	" "	" "
Clement, Joseph H	13 Summer St., Laconia	39	.50	Master.	27	" "	" "
Corey, Edward C	485 Pine	31	.50	Journeyman.	20	" "	" "
Danielson, David W	3 Stark	92	.50	"	64	" "	" "
Douglas, Ernest H	253 Pearl	66	.50	"	47	" "	" "
Foster, Frederick F	287 Massabesic	54	.50	Master	39	" "	" "
Gaudette, Alfred J	601 Amory	17	.50	Journeyman.	13	" "	" "
Geoffrion, Ernest J	165 Kelley	88	.50	"	63	" "	" "
Greer, Cecil J	1037 Elm	73	.50	Master.	51	" "	" "
Grimard, Alfred	Goffstown road	52	.50	"	38	" "	" "
Hartshorn, John E	17 Prince	15	.50	"	16	" "	" "
Henderson, John B	168 Central	62	.50	Journeyman.	45	" "	" "
Horsfall, James W	64 Dearborn	55	.50	Master.	40	" "	" "
Lacerte, Albert L	581 Rimmon	27	.50	Journeyman.	13	" "	" "
Ladd, Arthur S	201 Hanover	85	.50	"	59	" "	" "
Langer, Richard C	36 Clinton	29	.50	Master.	31	" "	" "
Langer, Richard C., Jr	36 Clinton	77	.50	Journeyman.	55	" "	" "
Lesperance, Arthur	412 Harvard	87	.50	"	61	" "	" "
Leazotte, James F	24 Chase avenue	76	.50	Master	54	" "	" "
Lewis, Albert M	1166 Hayward	26	.50	"	17	" "	" "
Lycette, John J	1208 Elm	78	.50	Journeyman.	57	" "	" "
Marston, Gardner E	3 Morrison	43	.50	Master.	30	" "	" "
McCue, Michael J	107 Highl'd St., Milton, Mass.	90	.50	"	62	" "	" "
Moher, James	739 Page	75	.50	"	53	" "	" "
McCourt, Patrick J	259 Manchester	79	.50	Journeyman	58	" "	" "
McLaughlin, John T	404 Lake avenue	20	.50	Master.	11	" "	" "
Nealey, Chestley E	13 Mechanic	72	.50	"	50	" "	" "
Raiche, Treffle	286 Coolidge avenue	5	.50	"	7	" "	" "
Reidy, Timothy P	Wellington ave., Box 221	81	.50	Journeyman.	56	" "	" "
Seaman, Carl O	497 Hanover	4	.50	Master.	1	" "	" "
Van Brocklin, George	372 Lowell	44	.50	"	32	" "	" "

TABLE No. 26.

PLUMBERS' LICENSES GRANTED DURING 1910.

NAME.	RESIDENCE.	No. of application.	Examination fee.	Class of plumber.	No. of license.	Date of issue.	Date of expiration.
Danielson, David W. C.	3 Stark	92	$1.00	Journeyman.	64	July 26, 1910	Aug. 31, 1910
Donovan, Edward F.	28 Thorndyke St., Concord	86	1.00	"	60	Jan. 14, 1910	" "
Dubois, Oliva	581 Rimmon	95	1.00	"	67	Dec. 31, 1910	" 1911
Geoffrion, Ernest J.	165 Kelley	88	1.00	"	63	June 28, 1910	" 1910
Gilman, Harlan C	Stark Hotel	94	1:00	"	66	Dec. 31, 1910	" 1911
Lesperance, Arthur	412 Harvard	87	1.00	"	61	Jan. 14, 1910	" 1910
McCue, Michael J	107 Highland St., Milton, Mass	90	1.00	Master.	62	June 28, 1910	" "
Murphy, William J	154 Sagamore	93	1.00	Journeyman.	65	Dec. 31, 1910	" 1911

TABLE No. 27.

SUMMARY OF TABLES Nos. 24, 25 and 26.

Master plumbers' certificates renewed during the year 1910		21
Journeyman plumbers' certificates renewed during the year 1910		18
Master plumbers' licenses renewed during the year 1910		16
Journeyman plumbers' licenses renewed during the year 1910		21
Master plumbers' licenses granted during the year 1910	1	
Journeyman plumbers' licenses granted during the year 1910	7	
	8	76
Plumbers' licenses granted after August 31, 1910 (not renewable until August 31, 1911)		3
Total certificates and licenses in force December 31, 1910		79

Cost Keeping.

The time book as kept by this office exhibits a complete record by days of each employee and the particular or several jobs each was engaged upon for each day during the year. This method has been in vogue since this department was created and will be continued.

In 1905 a new method (in this office) of keeping orders was begun, a card four by six inches being used, setting forth the nature of the order, date ordered, date done, and by whom done, transit and level books and plan reference (for convenience), and each card numbered. This method was originally intended to do away with the many inconveniences due to keeping orders in an order book. Beginning in May, 1906, the cost-keeping feature was added. This last method has proved satisfactory beyond expectation, a brief description of which follows:

Size of all cards five by eight inches; they are divided at the present time into eight classes of work, street and park commission (cards or orders), embracing all work done by this office for the street and park commissioners, which includes all streets, sewer and park work, and might properly be designated location and construction engineering.

Chief engineer (cards or orders) include all preliminary office or field work, street surveys, levels for profile, cross-section, estimates, plans, details, etc., for the street and park commission and individuals.

Miscellaneous (cards or orders) include the setting of all sidewalk grade, staking out street line for abutters on highways, and for the staking out of sidewalk construction for any property owner or contractor.

Cemeteries (cards or orders) include all preliminary location and office work done for cemeteries.

Highway bounds (cards or orders) include the work of setting bounds; it does not include the location of the points. This part of the work is done under chief engineer (cards or orders).

Street signs (cards or orders) include street sign work.

Street numbers (cards or orders) include measuring for street numbers, making numbering plans, assigning and putting on numbers.

Under office work, "stock" includes all drawing materials; under field work "stock" includes stakes, hubs, tacks, etc., each team is charged in the cost record at twenty cents per hour based on three hundred and twelve, seven and one half hour days per year.

This price will cover cost, repairs, keeping, interest, and replacing new every ten years.

Table No. 28 is a list of highway bounds set and reset during 1910, giving the location, material (concrete or granite), new or reset, cost of labor, team, stock (cost of bound), and total cost per bound; also average cost of concrete bounds and granite bounds.

Table No. 29 is a detailed statement of levels for street profile, and plan and profile work done under chief engineer (cards or orders). This table gives the location and limits of the several jobs, the length of distance covered, the number of lines of levels taken, the equivalent distance (under total distance) of a single line of levels, the cost of labor, team, and total cost of field work, the cost of labor, stock, and total cost of office work, and the total cost of field and office work of each job. This table is given in detail in order to show the actual cost of field and office work of each job.

Table No. 30 is a summary cost record of the cost of work done under miscellaneous (cards or orders), giving the number of orders, the location and descriptions of work, the party or parties ordering the work done, the cost of labor, team, stock, and total cost of field work, the cost of labor, stock and total cost of office work, and the total cost of field and office work.

Table No. 31 is a summary cost record of street sign work, giving the number of signs put up, cost of labor, team, stock, and total cost; also footnotes giving the average cost per sign of labor, team, stock, and total average cost per sign.

Table No. 32 is a summary of street number orders, giving the number of orders, cost of labor, team, stock, and total cost of street number work. This does not include the street number figures given out at the counter. (See matter under street numbers.)

Table No. 33 is a summary cost record of the cost of cemetery work, giving the number of orders for each cemetery where work was done, the cemetery, the cost of labor, stock, and total cost of office work done for each cemetery, the cost of labor, team, stock, and total cost of field work, and the total cost of office and field work for each cemetery. This work is done under cemeteries (cards or orders.)

Table No. 34 is a summary cost record of work done under street and park commissioners (cards or orders), giving the number of orders, description of work, cost of labor, team, stock, and total cost for each kind of work, as noted under the description of work. Following this table is given the cost of labor, team, stock, and total cost of preliminary field and office work, and cost of location field work and finished plans (estimated), setting forth the cost of sewer work engineering, and giving the percentage of cost of sewer work engineering to sewer work construction.

Table No. 35 is a summary of Tables Nos. 28, 29, 30, 31, 32, 33 and 34.

TABLE No. 28.

COST RECORD—HIGHWAY BOUNDS SET DURING THE YEAR 1910.

Location.	Removed.	Concrete.	Granite.	Reset.	Labor.	Team.	Stock.	Total.
Amherst and Union, southwest corner			1		$1.95	$0.27	$1.25	$3.47
Amherst and Lincoln, southeast corner				1	2.22	.40		2.62
Amherst and Garmon, southeast corner			1		2.56	.40	1.26	4.22
Amherst and Gertrude, southwest corner			1		2.56	.40	1.26	4.22
Amory and Cartier, northeast corner			1		1.78	.30	1.25	3.33
" " Dubuque, northwest corner			1		1.78	.30	1.25	3.33
" " Hevey, northwest corner			1		1.46	.20	1.25	2.91
" " Amory extension, northeast corner			1		1.19	.20	1.25	2.64
" north side, station 1, north of Amory extension			1		1.19	.20	1.25	2.64
" " " 3, " " "			1		1.19	.20	1.25	2.64
Annabell and Mast road, southwest corner			1		2.37	.40	1.25	4.02
" and Rockland avenue, southeast corner			1		2 37	.40	1.25	4.02
Arlington and Maple, northeast corner			1		1.78	.30	1.25	3.33
Ashland and East High, southwest corner			1		2.56	.40	1.28	4.24
Bay and Salmon, northwest corner			1		1.25	.20	1.25	2.70
" " Webster, southeast corner			1		2.41	.40	1 25	4.06
Blodget and Pine, northwest corner			1		3.52	.60	1.25	5.37
" " " northeast corner			1		2.94	.50	1.25	4 69
Bridge and Pine, northeast corner			1		2.37	.40	1.25	4.02
" " Union, northwest corner			1		1.49	.25	1.25	2.99
" " Walnut, southeast corner			1		1.49	.25	1.25	2.99
" " Maple, southeast corner			1		1.78	.30	1.25	3.33
" " " northwest corner			1		1.78	.30	1.25	3.33
Chester and Lincoln, northeast corner				1	2.22	.40		2.62
" " Ashland, southwest corner			1		1.19	.20	1.25	2.64
Chestnut and Salmon, northeast corner			1		1.83	.27	1.25	3.35
Cloyde and River road, northwest corner				1	2.37	.40		2.77
Concord and Union, southeast corner			1		1.95	.27	1.25	3.47
" " " southwest corner			1		1.95	.27	1.25	3.47
Elm and Webster, northeast corner			1		1.83	.27	1.25	3.35
Everett and West Clarke, southeast corner			1		1.28	.20	1.27	2.75
Front, first P. C. north of Amoskeag street, east side			1		1.31	.20	1.26	2.77
" " P. T. " " " "			1		1.31	.20	1.25	2.76
" " P. C. south of schoolhouse, east side			1		2.13	.40	1.25	3.78
" " angle south of brick store, east side			1		1.75	.30	1.25	3.30
" " " north of hotel, east side			1		2.97	.50	1.25	4.72
" at hotel, west side			1		1.94	.40	1.25	3.59
" second angle north of hotel, east side			1		1.75	.30	1.25	3.30

Front, third angle north of hotel, east side			1		1.46	.30	1.25	3.01
" angle at Webber's, west side			1		1.45	.20	1.25	2.91
" " Martha Stearns', east side			1		1.45	.20	1.26	2.91
Hall and Harvard, southwest corner				1	2.54	.30	1.26	4.10
Hanover and Grant, northeast corner			1		2.37	.40	1.25	4.02
" " Mammoth road, northeast corner			1		2.56	.40	1.26	4.22
" at Mead's greenhouse				†1	3.42	.60		4.02
Hayward and Foster avenue, northeast corner				1	2.90	.40		3.30
High, East and Maple, southeast corner			1		1.78	.30	1.25	3.33
Hooksett road, station, 42+79.83, east side		1			6.22	.75	.51	7.48
" " " " west side		1			6.23	.75	.51	7.49
" " " 49+93.63, center	*1				1.28	.20		1.48
" " " " east side				1	2.56	.40	.01	2.97
" " " 47+53.89, "		1			4.98	.60	.51	6 09
" " " 52+11.44, "		1			3.32	.40	.51	4.23
Hubbard and Hanover, northeast corner				1	2 37	.50		2.87
Lincoln and Merrimack " "				1	2.56	.40	.01	2.97
Lowell and Beacon, southwest corner			1		2.97	.50	1 25	4.72
Mast and Wilkins, northwest corner			1		1.48	.20	1.26	2.94
Merrimack and Hanover, southwest corner			1		1.78	.30	1.25	3.33
Nashua and East High, northeast corner			1		1.94	.40	1.25	3.59
Pine and Prospect, northeast corner			1		1.80	.27	1 25	3.32
Prospect and Walnut, southwest corner			1		2.96	.40	1.25	4.61
" " " southeast corner				†1	1.28	.20	.02	1.50
River road, angle opposite Monroe street, west side			1		1.28	.20	1.27	2.75
" " first angle north of Monroe street, west side			1		1.28	.20	1.26	2.74
Sagamore and Pine, southwest corner			1		1.18	.20	1.25	2.63
Salmon, West, and River road, northeast corner			1		1 94	.40	1.25	3.59
Stark avenue and Union, southwest corner			1		2.70	.40	1.25	4.35
Trenton and Union, southwest corner			1		2.03	.30	1 25	3.58
Webster and Chestnut, northeast corner			1		1.48	.20	.01	1.69
Willow, west side, north end of shoe shop lot				1	1.18	.30	1.25	2.63
	1	4	54	11	$150.50	$23.62	$71.00	$245.12

* Removed by grading of street, E. D. S. B.
† Private bound.

Cost of concrete bounds, $0.50 each.
Cost of granite bounds, $1.25 each.
Cost of team, $0.20 per hour.
Average cost of 4 concrete bounds including setting, $6.3225.
Average cost of 54 granite bounds including setting, $3.5200.
Average cost of 58 bounds including setting, $3.6284.

Bounds on hand January 1, 1910		67
Concrete bounds set	4	
Granite bounds set	54	
Total bounds set	58	58
Bounds on hand January 1, 1911		9

TABLE No. 29.

COST RECORD.—FIELD WORK (Levels for Profile). OFFICE WORK (Plans and Profiles).

Location.	Limits.	Distance	No. lines.	Total distance.	Field work.			Office work.			Total cost.
					Labor.	Team.	Total.	Labor.	Stock.	Total.	
Allen	South Main to Boynton	750	3	2,250	$2.36	$0.40	$2.76	$1.28	$0.05	$1.33	$4.09
Bay	Salmon to Webster	1,275	5	8,375	3.76	.60	4.36	2.32	.10	2.42	6.78
" east back	North to Webster	630	3	1,890	1.78	.30	2.08	.80	.05	.85	2.93
Bedford	Granite to No. of W. Central	650	3	3,900	3.20	.50	3.70	2.30	.10	2.40	6.10
Bell	Union to Beech	575	3	1,725	2.26	.40	2.66	1.52	.05	1.57	4.23
" south back	Pine east back to Union	250	3	750	1.77	.30	2.07	.73	.05	.78	2.85
Belmont	Massabesic to Summer	750	5	3,750	4.18	.75	4.93	1.83	.05	1.88	6.81
Blodget	Elm to Chestnut	675	5	3,375	2.69	.40	3.09	1.10	.05	1.15	4.24
Boutwell	Kelley to north of Bremer	1,000	3	3,000	4.13	.70	4.83	1.10	.10	1.20	6.03
Bremer	Boutwell to Morgan	590	3	1,770	3.08	.70	3 78	.92	.05	.97	4.75
Bridge	Maple to Nashua	550	6	3,300	7.04	1.10	8.14	3.80	.10	3.90	12.04
"	Warren to Linden	265	5	1,325	1.92	.30	2.22	1.28	.05	1.33	3.55
Brown avenue	Elm to Baker	1,770	5	8,850	6.60	1.10	7.70	5.87	.20	6.07	13.77
Byron	Brown avenue to Merrimack river	1,650	3	4,950	6.35	1.50	7.85	3.67	.20	3.87	11.72
Cartier	Wilton to Adams	.....	...	.....	....	....	....	.38	.05	.43	.43
" east back	Amory to Amory so. back	300	3	900	1.28	.20	1.48	1.05	.05	1.10	2.58
" east back	Putnam to Sullivan	510	3	1,530	1.28	.20	1.48	.86	.05	.91	2.39
Central	Milton to Belmont	310	5	1,550	2.33	.40	2.73	1.10	.05	1.15	3.88
" west	State to Bedford	240	7	1,680	1.88	.40	2.28	1.52	.03	1.55	3.83
Cheney place	Brown avenue to Elm	450	3	1,350	2.16	.40	2.56	.67	.05	.72	3.28
Chestnut	Bridge to Pearl	360	5	1,800	2.96	.40	3.36	.67	.05	.72	4.08
" east back	Salmon to North	525	3	1,575	2.40	.30	2.70	.92	.10	1.02	3.72
Cloyde	River road to Davis	270	4	1,080	1.28	.20	1.48	.44	.05	.49	1.97
Concord	Vine to Pine	750	6	4,500	3.84	.60	4.44	2.85	.10	2.95	7.39
"	Belmont to Beacon	550	5	2,750	2.97	.50	3.47	1.28	.05	1.33	4.80
Cypress	Howe to Vinton	1,400	3	4,200	4.48	.70	5.18	2.85	.12	2.97	8.15
Dean	Elm to Elm west back	135	6	810	1.92	.30	2.22	.73	.03	.76	2.98
Dubuque east back	Putnam to Wayne	600	3	1,800	1.42	.30	1.72	1.65	.05	1.70	3.42
Elm	Auburn to south of Valley	1,475	5	7,375	3.20	.50	3.70	3.17	.10	3.27	6.97
"	Myrtle to Prospect	650	7	4,550	3.29	.40	3.69	2.57	.12	2.69	6.38
"	Prospect to Dean	750	7	5,250	3.84	.60	4.44	2.93	.12	3.05	7.49
"	Pennacook to Sagamore	565	1	565	.83	.10	.93	.55	.05	.60	1.53

Elm	North to Webster	675	5	3,375	$2.16	$.40	$2.56	$.93	$.10	$1.03	$3.59
" east back	Salmon to Webster	1,225	3-5	4,825	4.88	.70	5.58	2.75	.10	2.85	8.43
Everett	West Clarke to Waldo	.....	...	.....	.....	....	....	1.44	.05	1.49	1.49
Frederick	Second to Wentworth	610	3	1,830	2.85	.50	3.35	.88	.05	.93	4.28
Front	Black brook bridge to north of Country Club	6,300	3	18,900	22.93	3.00	25.93	13.00	.60	13.60	39.53
Gates	Cartier to Rimmon	590	3-5	2,570	2.37	.40	2.77	.67	.05	.72	3.49
Granite	Turner, westerly	.....	...	.....	.....	....	....	.34	.05	.39	.39
Grant	Hanover to Mammoth road	1,050	3	3,150	5.12	.80	5.92	2.28	.10	2.38	8.30
Grove	State to Bedford	250	7	1,750	3.84	.60	4.44	2.28	.08	2 36	6.80
Hanover	Beacon to Candia Road	9,950	4-5	43,850	57.81	7.10	64.91	37.52	1.08	38.60	103 51
Harvell	Second to South Main	1,100	3-5	3,600	2.95	.50	3.45	1.47	.12	1.59	5.04
Hayward	Wilson to Hall	560	3	1,680	1.89	.30	2.19	.92	.10	1.02	3.21
Hubbard	Hanover to Amherst	420	3	1,260	2.13	.40	2.53	.73	.05	.78	3.31
Mammoth road	Lake avenue to Hanover	500	5	2,500	2.36	.40	2.76	1.33	.05	1.38	4.14
Manchester	Maple to Lincoln	650	5	3,250	2.23	.40	2.63	1.83	.10	1.93	4.56
Maple	Central to Manchester	890	5	4,450	5.06	.90	5.96	3.02	.08	3.10	9.06
McDuffie	Boynton to South Main	350	3	1,050	1.48	.20	1.68	1.10	.10	1.20	2.88
McGregor, north	West Bridge to Main	.....	...	.....	.....	....	....	1.92	.12	2.04	2.04
Merrimack	East of Cass to Hanover	350	5	1,750	2.95	.50	3.45	.73	.12	.85	4.30
Milton	Lake avenue to Laurel	650	5	3,250	.....	....	....	5.70	.10	5.80	5.80
Montgomery, E. B.	Kelley to Amory	725	3	2,175	1.92	.30	2.22	1.14	.05	1.19	3.41
Newell south back	State to Bedford	200	3	600	.61	.10	.71	.73	.03	.76	1.47
"	State to Bedford	200	7	1.400	3.84	.60	4.44	1.14	.03	1.17	5.61
Notre Dame avenue	Wayne to Sullivan	1,550	5-6	7,950	5.76	.90	6.66	3.70	.15	3.85	10.51
Orchard avenue	Glenwood av. to Candia rd.	1,165	3	3,495	3.60	.60	4.20	1.63	.10	1 73	5.93
Oakland avenue	Revere ave. to Woodland av	1,300	3-5	4,800	3.33	.80	4.13	2.20	.12	2.32	6.45
Payson	State to Bedford	285	7	1,995	1.32	.20	1.52	1.65	.02	1.67	3.19
" south back	State to Bedford	220	3	660	.61	.10	.71	.73	.03	.76	1.47
Pine east back	North to Salmon	530	1-3	1,370	.83	.10	.93	1.28	.05	1.33	2.26
Putnam	Notre Dame ave. to Cartier	320	5	1,600	2.56	.40	2.96	.95	.05	1.00	3 96
Ray	Clarke, northerly	700	3	2,100	1.92	.20	2.12	1.47	.12	1.59	3.71
Revere avenue	C. & P. R. R. to Candia road	1,325	1-3	3.075	3.22	.50	3.72	1.20	...	1.20	4.92
Rimmon	Conant to Gates	550	5	2,750	2.64	.60	3.24	1.47	.05	1.52	4.76
River road	West Salmon to West North	600	5	3,000	2.07	.30	2.37	1.47	.05	1.52	3.89
" "	North of Agawam to north of Park avenue	.....	...	.....	.....	....	.....	.68	...	.68	.68
Sagamore	Elm to Chestnut	565	1-3	1.115	1.66	.20	1.86	.92	.05	.97	2.83
Salmon	Elm to Chestnut	650	5	3,250	4.12	.60	4.72	2.20	.05	2.25	6.97
" West	Elm to Amoskeag bridge	950	5-6	5,100	4.24	.60	4.84	2.75	.10	2.85	7.69
Second	Walker to South Main	6,300	5	31,500	27.16	4.40	31.56	38.17	2.24	40.41	71.97
Somerville	Belmont to Jewett	.....	...	.....	.....	....	.....	.55	....	.55	.55
State	North of Granite to north of West Central	900	6	5,400	3.84	.60	4.44	4.40	.10	4.50	8.94
Taylor	Massabesic to Valley	900	3	2,700	2.42	.40	2.82	4.40	.10	4.50	7.32
Vernon	Brown Ave. to Hamilton	200	3	600	1.39	.20	1.59	.48	.05	.53	2.12
Waldo	Everett to Elm	300	3	900	1.76	.40	2.16	.92	.05	.97	3.13

TABLE No. 29.—*Concluded.*

Location.	Limits.	Distance	No. lines.	Total distance.	Field work.			Office work.			Total cost.
					Labor.	Team.	Total.	Labor.	Stock.	Total.	
Walnut	Salmon to North	576	5	2,880	2.64	$.60	$3.24	$1.93	$.10	$2.03	$5.27
" east back	Salmon to North	575	3	1,725	1.92	.30	2.22	1.90	.05	1.95	4.17
Wayne	Main to Notre Dame ave	325	5–6	1,800	1.28	.20	1.48	1.28	.10	1.38	2.86
Webster	Elm to Chestnut	665	5	3,325	3.48	.60	4.08	1.33	.05	1.38	5.46
Wilkins	Mast road to Rockland ave.	1,350	5	6,750	2.96	.40	3.36	2.75	.10	2.85	6.21
Willow	Hayward to Baker	2,720	3–5	11,900	6.68	1.20	7.88	5.46	.17	5.63	13.51
Winter place	Elm to Elm west back	120	5	600	1.28	.20	1.48	.40	...	.40	1.88
Wilson east back	Somerville to Clay	300	3	900	1.25	.20	1.45	1.14	.05	1.19	2.64
Woodland avenue	C. & P. R. R. to Candia road	1,250	3	3,750	3.57	.60	4.17	1.20	...	1.20	5.37
Youville	Kelley to Bremer	600	3	1,800	1.78	.30	2.08	.20	.05	.45	2.53
		76,256		317,580	$323.15	$50.35	$373.50	$229.57	$9.88	$239.45	$612.95

TABLE No. 30.

COST RECORD—MISCELLANEOUS ORDERS.

No. of orders.	Location and Description.	By whom ordered.	Field Work.				Office Work.			Total cost.
			Labor.	Team.	Stock.	Total.	Labor.	Stock.	Total.	
79	Grades (sidewalk)	Abutters	$18.75	$29.20	$2.69	$50.64				$50.64
23	" "	Robie Con. Concrete Co.	44.36	7.85	.81	53.02				53.02
1	" "	Manchester Cement Bl'k and Concrete Co	1.67	.30	.03	2.00				2.00
2	" (trial)	Office	5.55	.90	.88	7.33				7.33
3	" (water pipe)	Manchester Water W'ks	14.98	2.70	.29	17.97				17.97
3	" (track)	Street railway	17.28	3.00	.35	20.63				20.63
1	"	Gas Company	2.20	.50		2.70				2.70
4	Levels (cross-section)	Office	43.47	6.00	.13	49.60	$5.50	$0.20	$5.70	55.30
14	" (miscellaneous)	"	35.54	6.10		41.64				41.64
2	Lincoln Statue	"	5.76	.90	.35	7.01				7.01
18	Location (corners)	"	59.21	9.10	.24	68.55				68.55
1	Map (directory)	Sampson-Murdock Co.					.80		.80	.80
8	Measurements (miscellaneous)	Office	13.81	2.40	.02	16.23				16.23
11	Petitions	"					1.13		1.13	1.13
23	Street lines	Abutters	70.31	11.05	.72	82.08				82.08
7	" "	Office	30.25	5.00	.23	35.48				35.48
14	Surveys (miscellaneous)	"	70.11	10.30	.79	81.20				81.20
3	Youngsville school	"	73.53	11.90	1.03	86.46				86.46
217			$506.78	$107.20	$8.56	$622.54	$7.43	$0.20	$7.63	$630.17

TABLE No. 31.

COST RECORD—STREET SIGNS.

No. of signs.	Labor.	Team.	Stock.	Total.
17*	$7.12	$1.68	$9.12	$17.92
17	$7.12	$1.68	$9.12	$17.92

Name of street painted on both sides of sign, sign secured in cast-iron hangers by two nails, and hanger fastened by four nails to trees, wooden electric light poles, wooden trolley poles and telephone poles. (Stock includes one sign, one sign hanger and six nails.)

*Three signs given to private parties, without hangers.

Average cost of labor per sign for 14 signs	$0.5085
Average cost of team per sign for 14 signs	.1200
Average cost of stock per sign for 14 signs	.5700
Total average cost per sign for 14 signs	$1.1985

TABLE No. 32.

COST RECORD—STREET NUMBERS.

No. of orders.	Labor.	Team.	Stock.	Total.
189	$24.80	$4.47	$29.88	$59.15
189	$24.80	$4.47	$29.88	$59.15

TABLE No. 33.

COST RECORD—CEMETERIES.

No. of orders	Location.	Office Work.			Field Work.				Total cost.
		Labor.	Stock.	Total.	Labor.	Team.	Stock.	Total.	
13	Pine Grove cemetery.....	$2 85	$0.10	$2.95	$71.35	$15.20	$0.45	$87.00	$89 95

TABLE No. 34.

COST RECORD—STREET AND PARK COMMISSIONERS' ORDERS.

No. of orders.	Description of Work.	Labor.	Team.	Stock.	Total cost.
16	Building streets (paving lines and grades)	$74.35	$12.60	$8.39	$95.34
52	Corner curbing (lines and grades).....	166.35	26.90	11.77	205.02
1	Derryfield park (lines and grades).....	2.16	.40	.....	2.56
104	Gutter curbing (lines and grades).....	404.91	67.90	39.50	512.31
1	Lafayette park (lines and grades)	51.15	7.50	1.95	60.60
*53	Sewers (lines and grades).....	163.04	27.20	.11	190.35
227		$861.96	$142.50	$61.72	$1,065.18

The cost of sewer preliminary field and office work, location field and office work, and finished plans is as follows:

Description.	Labor.	Team.	Stock.	Total Cost
Location field work....	$163.04	$27.20	$0.11	$190.35
Finished plans (estimated)*.....	100.00	.....	25.00	125.00
	$263.04	$27.20	$25.11	$315.35

*This work is done the first of the year following construction.

Expended by the Street and Park Commissioners in constructing sewers, $30,124.03. (See table No. 23.)

Cost of engineering, $315.35, or .0104 per cent.

TABLE No. 35.

SUMMARY OF TABLES Nos. 28, 29, 30, 31, 32, 33 AND 34.

No. of Table.	No. of orders.	Field Work.				Office Work.			Total cost.
		Labor.	Team.	Stock.	Total.	Labor.	Stock.	Total.	
28	70	$150.50	$23.62	$71.00	$245.12	.....	.....	.....	$245.12
29	86	323.15	50.35	.....	373.50	$229.57	$9.88	$239.45	612.95
30	217	506.78	107.20	8.56	622.54	7.43	.20	7.63	630.17
31	17	7.12	1.68	9.12	17.92	.....	.....	.....	17.92
32	189	24.80	4.47	29.88	59.15	.....	.....	.....	59.15
33	13	71.35	15.20	.45	87.00	2.85	.10	2.95	89.95
34	226	861.96	142.50	61.72	1,066.18	.....	.....	.....	1,066.18
	818	$1,945.66	$345.02	$180.73	$2,471.41	$239.85	$10.18	$250.03	$2,721.44

To his Honor the Mayor, the board of aldermen, the gentlemen of the common council, and the various committees, with whom in the performance of my duties I have come in contact, I wish to express my appreciation of the assistance and support you have rendered to me during the year.

My acknowledgments are due the gentlemen of the street and park commission for their courtesy, consideration, and coöperation in matters in which we were mutually engaged.

SAMUEL J. LORD,
Chief Engineer of the City.

REPORT

OF THE

STREET AND PARK COMMISSIONERS.

REPORT OF STREET AND PARK COMMISSIONERS.

OFFICE OF THE BOARD OF STREET AND PARK COMMISSIONERS.

MANCHESTER, N. H., December 31, 1910.

To His Honor the Mayor, the Board of Aldermen, and the Common Council of the City of Manchester, N. H.:

GENTLEMEN:—We herewith submit the eighteenth annual report of the Board of Street and Park Commissioners, which comprises details of the operations conducted by the department during the year 1910.

WILLIAM McELROY,
BYRON WORTHEN,
SAMUEL J. LORD,
Board of Street and Park Commissioners.

Organization for the Year 1910.

WILLIAM McELROY, *Chairman.*

BYRON WORTHEN.

SAMUEL J. LORD, *Chief Engineer.*

OFFICE.

E. Park Stevens, chief clerk (typewriter and bookkeeper) from May, 1910.

Harrie H. Clement, chief clerk (stenographer, typewriter, bookkeeper) January, 1910, to May, 1910.

Joseph W. McElroy, assistant clerk (January, 1910, to March, 1910).

Harry G. Sanford, assistant clerk (stenographer and typewriter, June, 1910).

Richard V. McAllaster, assistant clerk (stenographer and typewriter, July, 1910, to September, 1910).

Frank L. McAllister, assistant clerk.

STREETS AND SEWERS.

George P. Ames, superintendent, District No. 2.

Harold M. Haskell, inspector and timekeeper, District No. 2 (from January to April 1, 1910).

Emile A. Blanchet, inspector and timekeeper, District No. 2 (from April, 1910).

Alphonse Laberge, superintendent, District No. 10.

John A. Gemmell, timekeeper, District No. 10.

Charles Francis, superintendent and timekeeper, District No. 7.

Shirley Merrill, superintendent and timekeeper, District No. 5.

Byron E. Moore, superintendent and timekeeper, District No. 4.

Lester C. Paige, superintendent and timekeeper, District No. 9.

SCAVENGER SERVICE AND STREET SWEEPING.

Levi J. Proctor, inspector (has charge of scavenger service and street sweeping).

PARKS AND COMMONS.

A. J. Seastrom, superintendent and timekeeper.

The Board of Street and Park Commissioners met at 2 o'clock P. M., daily, except Saturdays and holidays.

The following contracts were awarded by the board:

Brick, W. F. Head & Son, Hooksett, N. H.

Broken stone, Winchester Stone Company, 504 Sudbury building, Boston, Mass.

Brown-tail and gypsy moth, Daniel F. Cronin, Hooksett, N. H.

Cement, Henry W. Parker, Manchester, N. H.

City farm, leased from aldermanic committee on city farm.

City yard, Amoskeag Manufacturing Company, Manchester, N. H.

Elm street, Hanscom Construction Company, 79 Milk street, Boston, Mass.

Fence posts, B. F. Greer, Grasmere, N. H.

Granite curbing, Charles A. Bailey, Suncook, N. H.

Granite paving blocks, Palmer & Garmon, Manchester, N. H.

Iron castings, Concord Foundry & Machine Co., Concord, N. H.

Lake avenue, Robie Consolidated Concrete Company, Manchester, N. H.

Lafayette park, Hanscom Construction Company, No. 79 Milk street, Boston, Mass.

Lumber, B. F. Greer, Grasmere, N. H., and Dodge & Barnard, Goffstown, N. H.

Oats, Arthur S. Brown (2), Manchester, N. H.; F. H. Masse & Co. (1), Manchester, N. H., and McQuesten & Lewis (1), Manchester, N. H.

Plants, F. J. Bixby, Manchester, N. H.

River road sewer, James F. Cavanaugh, Manchester, N. H.

Second street, James F. Cavanaugh, Manchester, N. H.

Sewer pipe, Eastern Clay Goods Company, 79 Milk street, Boston, Mass.

Steam road roller, Buffalo Steam Roller Company, Boston, Mass.

Webster street, James F. Cavanaugh, Manchester, N. H.

Wood paving blocks, United States Wood Preserving Company, New York, N. Y.

Cash was paid into the city treasury for labor done or materials furnished (or both) by this department by persons, firms or corporations and credited to appropriations, as listed in the following schedule.

(All moneys are paid direct to the city treasurer and do not pass through the hands of the board.) For more detailed statements see credits under appropriations cited.

NAME.	Appropriation.	Cash.	Total.
Adams Bros	Repairs of sewers		$38.26
Bourque, Joseph L.	Repairs of sewers		1.75
Brophy, Rev. John J.	Grading for concrete		40.00
Burkavis, Albert	Repairs of sewers		9.00
Chase, E. M.	Repairs of sewers		1.13
Eastern Clay Goods Co.	New sewers	$1,961.38	
	New sewers	1,080.56	
	New sewers	1,425.69	
			4,467.63
Goodwin, William E.	Repairs of sewers		10.85
Hunt, H. F.	Repairs of sewers		1.10
Huse, James	Repairs of sewers		3.52
Indian Refining Co.	New highways		268.11
Janelle, Victor	Repairs of sewers		27.48
Johnson, A. B.	New highways		.74
Katschker, Carl	Repairs of sewers		6.80
Kleiner, Richard	Repairs of sewers		16.10
Lincoln Memorial Asso.	New highways		312.90
Lovell, Stanley K.	New highways		7.11
Maiwald, Carl	Repairs of sewers		7.97
Manchester St. Railway	New highways	$1,460.38	
	New highways	1,199.25	
	New highways	1,153.48	
	New highways	391.90	
			4,205.01
Manchester T. L. & P. Co.	New highways		15.59
Marchand, J. F.	Repairs of sewers		2.25
McDonald, C. F.	Repairs of sewers		1.67
Mendell, The J. H. Co.	New highways		9.60
Parker, Henry W.	New highways		573.75
People's Gas-light Co.	New highways	$413.99	
	New highways	320.55	
			734.54
People's Gas-light Co.	Repairs of sewers		192.94
Poirier, H. M.	City teams		120.00
Police department	Repairs of sewers		2.00
Schneider, August	Repairs of sewers		9.05
Seastrom, John	Derryfield park		15.50
Stark mills	Brown-tail and gypsy moths		49.58
Stevens & Bradley	Repairs of sewers		7.88
Tax collector	Brown-tail and gypsy moths		1,027.23
Town of Litchfield, N. H.	Repairs of sewers		19.50
Valley cemetery trustees	New highways		48.63
Wagner, Adolph	New highways		51.83
Water commissioners	Brown-tail and gypsy moths		3.73
Whittemore, A. F.	New highways		1.00
Wilson, G. H. & Co.	City teams		259.90
York, Geo. W.	New highways		1.56
			$12,573.19

The office of the Board of Street and Park Commissioners has issued permits for opening highways during the year 1910, as follows:

Opening highways for the purpose of connecting with the sewer	136
Opening highways for the purpose of repairing sewer connection	48
Laying underground conduits, M. T. L. & P. Co.	4
Repairing railroad gates	1
Underground telephone connections	17
Laying drains	4
Repairing water connection	1
Total permits granted for opening highways	211

The People's Gas-light Company and the Water-works department make many openings during the year for the purpose of repairing water pipes, laying new pipe and making house connections. The People's Gas-light Company has refused to comply with the conditions required by the Board of Street and Park Commissioners in not making application for permission to open said highways, and until such time when the People's Gas-light Company will comply with the conditions required the board has not deemed it expedient to take the matter up with the Water-works department.

A form of application with conditions follows after list of permits to encumber highways.

The office of the Board of Street and Park commissioners has issued permits for encumbering highways during the year 1910 as follows:

For repairing buildings	55
For erecting new buildings	22
For cutting trees	4
For encumbering sidewalks	17
For removing snow from roofs	40
Total number of permits granted for encumbering highways	138

(Form of application for permission to encumber or open a highway and conditions upon which permission is granted.)

CITY OF MANCHESTER.

BOARD OF STREET AND PARK COMMISSIONERS.

(City Seal.)

Office. City Hall.

Application to encumber or open a highway.

Application is hereby made for permission to .....

.....

for the purpose of.....

.....

Permission to begin .....

and to terminate .....

The applicant hereby agrees to the following conditions provided the permission herein applied for is granted:

1. The Board of Street and Park Commissioners may revoke the permit at any time.

2. Excavations, obstructions or encumbrances shall at all times be properly guarded, barricaded or fenced during the whole time the highway is excavated, and lights shall be maintained throughout the night so that all excavations, obstructions and encumbrances may be readily seen.

3. The applicant hereby agrees to indemnify and save harmless the city of Manchester, N. H., for all claims of damage or injury whatsoever that may arise from the excavation, obstruction, encumbrance or occupation of said highway, and the applicant shall be accountable for all damage that may occur on account of said excavation, obstruction or encumbrance of the aforesaid highway; the city of Manchester in no case assuming any responsibility or liability by reason of granting permission as herein applied for.

4. Shade trees shall not be cut down, cut, trimmed or otherwise injured by said applicant.

5. The highway shall be left in as good condition and repair at the expiration of the permit as existed when said permit was granted.

6. The Board of Street and Park Commissioners may restore the highway or cause the same to be restored under their direction, and the applicant shall reimburse the city for any and all liability and expense suffered by reason of such work.

Dated .....

(Signed)

.....

(Applicant.)

POLE LOCATIONS GRANTED AND REVOKED DURING THE YEAR 1910.

Location.	Limits.		Date.	Pole Locations.	
				Granted.	Revoked.
Adams, North, west side	Clarke, northerly	m	July 12		2
Adams, North, west side	Carpenter, northerly	m	July 12	3	
Adams, North, west side	Clarke to Carpenter	m	July 12	11	
Adams, south side	Notre Dame avenue east back, west side	m	January 31	1	
Amherst, south side	Maple to Lincoln	m	January 31		5
Amherst, south side	Milton, westerly	m	January 31	2	
Amherst, south side	Beacon to Hubbard	m	January 31	4	
Amherst, south side	Ashland, westerly	m	January 31	3	
Amherst, south side	Ashland, easterly	m	January 31	3	
Amherst, south side	About 100 feet east of Maple	m	January 31	1	
Amherst, south side	Dutton to Lincoln	m	January 31	4	
Amherst, south side	Beech to Walnut	n	April 29		3
Amherst, south side	Maple to Ash	n	April 29		1
Amherst, south side	Ashland to Hall	n	April 29		3
Amherst, north side	Pine east back to Union	n	April 29	3	
Amherst, north side	Maple, westerly	n	April 29	1	
Amherst, north side	Hall, westerly	n	April 29	4	
Amherst, north side	Milton, west side	n	April 29	1	
Amherst south back, north side	Beech east back to Maple	n	April 29	1	
Amory, south side	Columbus, westerly	m	January 31	2	
Amory, south side	Columbus, easterly	m	January 31	2	
Amory, south side	Columbus, westerly	m	January 31		2
Amory, south side	Columbus, easterly	m	January 31		1
Appleton, West, south side	Elm, westerly about 100 feet	m	January 31	1	
Appleton, north side	Elm, easterly about 300 feet	m	February 10	1	
Appleton, north side	Elm, westerly about 200 feet	m	February 10	1	
Arah, north side	Easterly to Hooksett town line	n	April 29	18	
Arlington, south side	Maple, easterly	m	February 10	2	
Arlington, south side	Nashua, westerly	m	February 10	1	
Arlington, south side	Nashua, easterly	m	February 10	2	
Arlington, south side	Between Russell and Warren	m	February 10	1	
Arlington, south side	Ashland to Morrison	m	February 10	4	
Arlington, south side	Warren, westerly	n	April 29	1	
Arlington, south side	Warren to Linden	n	April 29	2	
Arlington, south side	Linden to Ashland	n	April 29	1	
Arlington, south side	Ashland to Morrison	n	April 29	4	

Arlington, north side	Ashland to Linden	n	April 29		2
Arlington, north side	Linden to Warren	n	April 29		2
Arlington, north side	Warren to Russell	n	April 29		1
Arlington, north side	Maple to Nashua	n	December 14	4	
Arlington, north side	Nashua to Russell	n	December 14	3	
Arlington, north side	Russell to Warren	n	December 14	2	
Arlington, north side	Warren to Linden	n	December 14	2	
Arlington, north side	Linden to Ashland	n	December 14	2	
Arlington, north side	Ashland to Morrison	n	December 14	3	
Arlington, south side	Maple to Nashua	n	December 14		3
Arlington, south side	Nashua to Russell	n	December 14		2
Arlington, south side	Russell to Warren	n	December 14		3
Arlington, south side	Warren to Linden	n	December 14		2
Arlington, south side	Linden to Ashland	n	December 14		1
Arlington, south side	Ashland to Morrison	n	December 14		4
Arlington, north side	Russell to Warren	n	December 14		1
Arlington, north side	Warren to Linden	n	December 14		1
Arlington, north side	Linden to Ashland	n	December 14		2
Ash, east side	Lowell, northerly	m	January 31	1	
Ash east back, west side	Harrison, northerly	m	January 31	2	
Ash east back west side	Brook, southerly	m	January 31	3	
Ash east back, east side	Lowell to Bridge	n	July 15		7
Ash east back	Lowell to Bridge	n	July 15	8	
Ashland, west side	Hanover to Chester	n	December 14		1
Ashland, west side	Chester to Amherst	n	December 14		1
Ashland, west side	Amherst to Concord	n	December 14		2
Ashland, west side	East High to Bridge	n	December 14		3
Ashland, east side	Amherst to Concord	n	December 14	4	
Ashland, east side	Hanover to Amherst	n	December 14	3	
Ashland, east side	Concord to Lowell	n	December 14	3	
Ashland, east side	Lowell to East High	n	December 14	3	
Ashland, east side	East High to Bridge	n	December 14	3	
Auburn south back, north side	Union, easterly	m	January 31	2	
Auburn, West, north side	Franklin, easterly	n	April 29		1
Auburn, West, south side	Elm to Franklin	n	April 29	2	
Auburn, West, south side	Canal, easterly	n	April 29	1	
Auburn south back, south side	Pine east back to Union	n	April 29	4	
Bartlett, east side	Putnam to Sullivan	n	April 29	2	
Bay east back, east side	Sagamore, northerly	m	January 31	1	
Bay, west side	North, northerly	m	February 10	3	
Bay, east side	Carpenter, southerly about 300 feet	m	February 10	1	
Beacon, east side	East High to Bridge	n	April 29	2	
Beacon, east side	Hanover, north	m	August 30	1	
Beech, east side	Bridge, southerly	m	January 31	3	
Beech east back, east side	Lowell, northerly about 300 feet	m	February 10	1	
Beech east back, east side	Concord to Amherst	n	April 29	3	

POLE LOCATIONS GRANTED AND REVOKED DURING THE YEAR 1910.—*Continued.*

Location.	Limits.		Date.	Pole Locations.	
				Granted.	Revoked.
Beech east back, east side	Lowell, northerly	m	August 16	3	
Belmont, east side	Massabesic to Summer	m	January 31		5
Belmont, east side	Massabesic to Summer	m	January 31	7	
Belmont, west side	Old Bridge, southerly	m	January 31	1	
Belmont, east side	Young, northerly	m	January 31	1	
Belmont, east side	Young, southerly	m	January 31	2	
Belmont, east side	Pearl to Meade	n	April 29	3	
Belmont, west side	Concord to Lowell	n	April 29	2	
Belmont, east side	Amherst to Concord	n	December 14	3	
Belmont, east side	Concord to Lowell	n	December 14	4	
Belmont, east side	Lowell to East High	n	December 14	3	
Belmont, east side	East High, northerly	n	December 14	1	
Belmont, west side	Amherst to Concord	n	December 14		2
Belmont, west side	Concord to Lowell	n	December 14		2
Belmont, west side	Lowell to East High	n	December 14		3
Benton, south side	Mammoth road to Jones	m	January 31	4	
Benton, south side	Jones, westerly	m	January 31	3	
Blodget, south side	Elm east back, easterly	m	February 10	1	
Bowman, west side	Marlboro, southerly	m	February 28	2	
Bremer, south side	Rimmon, easterly	m	July 12	1	
Bremer, south side	Rimmon, west side	m	July 12	1	
Bridge, West, north side	West end of McGregor bridge	m	January 31	1	
Bay, east side	North, northerly	m	February 28	2	
Bay, west side	North, northerly	m	February 28		3
Bridge, Old, northwesterly	Belmont to Hall	n	April 29	3	
Bridge, south side	Maple to Nashua	n	April 29	2	
Bridge, south side	Nashua to Malvern	n	April 29	2	
Bridge, south side	Beacon, easterly	n	April 29		1
Bridge, south side	Ashland to Buzzell	n	April 29	3	
Bridge, south side	Buzzell to Hall	n	April 29	2	
Bridge, south side	Beacon, east side	n	April 29	1	
Bridge, south side	Nashua to Malvern	n	December 14		3
Bridge, south side	Malvern to Ashland	n	December 14		6
Bridge, south side	Ashland to Buzzell	n	December 14		3
Bridge, south side	Buzzell to Hall	n	December 14		4
Bridge, north side	Maple to Nashua	n	December 14	3	

Bridge, north side	Nashua to Buzzell	n	December 14	3	
Bridge, north side	Russell to Warren	n	December 14	2	
Bridge, north side	Warren to Linden	n	December 14	2	
Bridge, north side	Linden to Ashland	n	December 14	2	
Bridge, north side	Ashland to Hall	n	December 14	6	
Brook, south side	Albert, westerly	n	April 29	1	
Brook, south side	Albert to Chestnut	n	April 29	3	
Brook, south side	Chestnut to Pine	n	April 29	4	
Brown avenue, east side	Cheney place, northerly	m	May 3	1	
Byron, northerly	Josselyn to B. & M. R. R.	m	December 29	3	
Byron, northerly	B. & M. R. R., westerly	m	December 29	1	
Candia road, northerly	About 125 feet from Mammoth road	m	June 10	1	
Candia road, south side	Page, easterly	m	January 31	23	
Carpenter, north side	Elm to Chestnut	n	April 26	4	
Carroll, east side	Milford, northerly about 100 feet	m	February 28	1	
Cartier west back, west side	Putnam to Schuyler	n	March 18	8	
Cedar, south side	Wilson, easterly	m	November 22	3	
Chase avenue, west side	Hayes avenue, southerly	m	January 31	2	
Chester, south side	Lincoln, easterly	m	January 31	1	
Chestnut, east side	Carpenter to Trenton	n	April 29	2	
Chestnut, east side	Orange, north side	m	February 10	1	
Chestnut, west side	North, northerly	m	February 10	2	
Chestnut east back, east side	Sagamore to Salmon	m	January 31	4	
Chestnut, east side	Clarke to Carpenter	m	May 3		10
Chestnut, west side	Clarke to Carpenter	m	May 3	11	
Cilley road, north side	Hall, westerly	n	April 29	1	
Clarke avenue, west side	Orange, south side	m	February 10	1	
Clay, north side	Taylor to Cypress	n	July 18	7	
Clay, north side	Cypress to Jewett	n	July 18	3	
Cleveland, southerly	Hiram to Third	m	February 28	7	
Cohas avenue, south side	Mammoth road	n	April 29	2	
Cohas avenue, southwesterly	Southeast corner of city reservoir	m	January 31	1	
Concord, north side	Belmont, west	m	January 31	1	
Concord, south side	Beacon, westerly	m	January 31	3	
Concord, south side	Maple to Dutton	n	April 29		5
Concord, north side	Ashland to Hall	n	April 29	6	
Corning road, north side	Derry road to Conant road	m	January 31	13	
Concord, north side	Ashland, west side	n	April 29	1	
Concord, north side	Hall to Belmont	n	April 29	2	
Concord, north side	Belmont to Beacon	n	April 29	4	
Concord, south side	Ash east back, easterly	n	April 29	2	
Concord, north side	Maple to Maple east back	n	April 29	3	
Concord, north side	Maple east back to Dutton	n	April 29	3	
Concord, north side	Between Derry and Porter	n	April 29	1	
Derry road, west side	Mammoth road to Corning road	m	January 31	49	
Douglas, north side	Turner, westerly	m	February 28	4	

POLE LOCATIONS GRANTED AND REVOKED DURING THE YEAR 1910.—*Continued.*

Location.	Limits.		Date.	Pole Locations.	
				Granted.	Revoked.
Douglas, south side	Dover, westerly	m	February 28	1	
Douglas north back, south side	Main, easterly	m	February 28	3	
Douglas, south side	Barr, westerly	m	January 31	1	
Dubuque east back, east side	Kelley, northerly	m	July 12	4	
Dutton, northwesterly side	Amherst to Concord	n	April 29	1	
Elm, east side	Carpenter, northerly	n	April 26	2	
Elm, east side	Carpenter, northerly	n	April 26		2
Elm east back	Sagamore, southerly	m	January 31	3	
Elm, west side	West Clarke, southerly	m	January 31	1	
Elm, east side	Harrison, northerly	m	February 10	1	
Elm, west side	Rowell, southerly	m	February 28	3	
Elm, east side	Trenton, northerly	n	April 29	1	
Elm, east side	Valley, northerly	n	July 15	3	
Elm, east side	Valley, northerly	n	July 15		2
Everett, east side	Waldo, northerly	m	February 10	2	
Everett, west side	Thayer to West Clarke	n	April 29	4	
Foster avenue, west side	Valley, southerly	m	January 31	3	
Frederick, southerly side	Second, westerly	m	February 28	7	
George, east side	Milford, northerly	m	February 28	3	
Glenwood avenue	Page to Lovering	m	January 31	5	
Granite, north side	Quincy, east side	m	February 28	1	
Green, south side	Union, easterly	n	July 15	2	
Hall, east side	Cilley road to Clay	n	April 29	8	
Hall, east side	Clay to Somerville	n	April 29	2	
Hall, west side	Amherst to Concord	n	April 29	2	
Hall, west side	Concord to Lowell	n	April 29	2	
Hall, west side	Lowell to East High	n	April 29	2	
Hall, west side	Bridge to Pearl	n	April 29	5	
Hall, west side	Pearl, northerly	n	April 29	2	
Hampshire lane, west side	Mechanic, southerly about 50 feet	m	January 31	1	
Hanover, north side	Ashland, westerly	m	January 31	3	
Hanover, north side	Union, easterly	m	January 31	3	
Hanover, north side	Hall road, west side	m	January 31	1	
Hanover, south side	Grant to Hall road	n	April 29	4	
Hanover, south side	Hall road to Mammoth road	n	April 29	2	
Harrison, north side	Elm, easterly	m	February 10	3	

Harrison, south side	Linden, easterly	m	August 16	4	
Harrison, south side	Linden, westerly	m	August 16	2	
Harrison, south side	Russell, easterly	m	January 31	1	
Harrison, south side	Ash and Maple	m	January 31		2
Harrison, south side	Maple to Oak	m	January 31		2
Harrison, north side	Russell, easterly	m	January 31		1
Harrison, south side	Oak to Maple	m	January 31	2	
Harrison, south side	Maple, westerly	m	January 31	1	
Harrison, south side	Ash, easterly	m	January 31	1	
Harrison, south side	East of Russell about 200 feet	m	May 4	1	
Harrison, north side	Oak, easterly	n	July 15	3	
Harrison, north side	Oak to Maple	n	July 15	4	
Harrison, north side	Maple, westerly	n	July 15	2	
Hayward, south side	Union, westerly	m	January 31	6	
High, East, north side	Belmont to Beacon	n	December 14		3
High, East, north side	Beacon to Weston	n	December 14		3
High, East, south side	Belmont to Beacon	n	December 14	5	
High, East, south side	Beacon to Weston	n	December 14	5	
High, East, north side	Jane, westerly about 100 feet	m	February 10	1	
High, East, south side	Maple to Nashua	n	April 29	1	
High, East, north side	Maple to Nashua	n	April 29		1
Hospital avenue, southerly	Massabesic, northeasterly	m	January 31	4	
Jones, west side	Nelson to north of Benton	n	April 29	8	
Kidder court	About 300 feet west of Elm	m	January 31	1	
Kingston, east side	Harvard to Hayward	n	December 14	4	
Kingston, south side	Warner to Stewart	n	July 15	2	
Kingston, south side	Stewart, north side	n	July 15	1	
Lake avenue south back, north side	Between Manhattan lane and Fifth avenue lane	n	September 23	4	
Lake Shore road, easterly	Candia road, southerly	m	February 18	57	
Laurel south back, south side	Beech, west side	m	January 31	1	
Laurel south back, north side	Pine, easterly	m	July 12	4	
Laurel south back, north side	Maple and Lincoln	m	July 12	3	
Laurel south back, north side	Laurel avenue to Pine	m	July 12	3	
Laurel south back, north side	Union to Beech	m	July 12	5	
Laurel south back, north side	Beech, easterly	m	July 12	4	
Laurel south back, north side	Lincoln, westerly	m	July 12		1
Laurel south back, south side	Union, easterly	m	July 12		2
Lincoln, west side	Laurel south back, south side	m	July 12		1
Lincoln, west side	Somerville, northerly	m	January 31	2	
Londonderry lane, south side	Maple, west	m	August 30	1	
Londonderry road, south side	Brown avenue, easterly	m	January 31	3	
Londonderry lane, south side	Maple, westerly	m	January 31	2	
Lowell, north side	Beacon, east side	m	January 31	1	
Lowell, north side	Beacon, westerly	m	January 31	4	
Lowell, south side	Maple to South	m	January 31	3	
Lowell, south side	Maple, westerly about 100 feet	m	February 10	1	

POLE LOCATIONS GRANTED AND REVOKED DURING THE YEAR 1910.—*Continued.*

Location.	Limits.		Date.	Pole Locations.	
				Granted.	Revoked.
Lowell, north side	Nashua to South	n	April 29		2
Lowell, north side	Jane to Malvern	n	April 29		1
Lowell, north side	Malvern, easterly	n	April 29		1
Lowell, south side	Buzzell to Hall	n	April 29	2	
Lowell, south side	Hall to Belmont	n	April 29	3	
Lowell, south side	Belmont to Beacon	n	April 29	4	
Lowell, south side	Maple east back, westerly	n	April 29	2	
Lowell, south side	Maple east back to Malvern	n	April 29	6	
Laurel, south side	Beacon, easterly	m	January 31	4	
Main west back, east side	Amory to Adams	m	January 31	24	
Main west back, east side	Adams, southerly	m	January 31	1	
Main west back, east side	Amory, northerly	m	January 31	1	
Main west back, east side	Amory, northerly	m	June 10	9	
Malvern, northeasterly	Lowell to East High	n	April 29	3	
Malvern, northeasterly	East High to Bridge	n	April 29	2	
Mammoth road, east side	Cohas avenue, southerly	n	April 29	16	
Mammoth road, east side	Island Pond road, south side	m	January 31	1	
Mammoth road, west side	Island Pond road to Derry road	m	January 31	43	
Manchester, north side	Milton, westerly	m	January 31	2	
Maple, west side	Hanover to Amherst	n	July 15		4
Maple, west side	Amherst to Concord	n	July 15		3
Maple, west side	Concord to Lowell	n	July 15		3
Maple, east side	East High, south side	m	January 31	1	
Maple, west side	Lowell, southerly	m	January 31		2
Maple, west side	Concord to Amherst	m	January 31		2
Maple, west side	Derryfield lane, north side	m	January 31		1
Maple, west side	Londonderry lane, northerly	m	January 31		1
Maple, west side	Lowell to Concord	m	January 31	1	
Maple, west side	Concord and Amherst	m	January 31	2	
Maple, west side	Amherst, southerly	m	January 31	1	
Maple, west side	Derryfield lane, south side	m	January 31	1	
Maple, west side	Hanover, southerly	m	January 31	1	
Maple, east side	Arlington, northerly	m	February 10	1	
Maple, east side	Pearl, north side	m	February 10	1	
Maple, west side	Dix, northerly	m	January 31	5	
Maple, west side	Harrison, southerly	n	July 15	3	

Maple, east side	Hanover to Amherst	n	July 15	4	
Maple, east side	Amherst to Concord	n	July 15	4	
Maple, east side	Concord to Lowell	n	July 15	4	
Market, north side	Franklin, westerly	m	January 31	3	
Market, north side	Hampshire lane, west side	m	January 31	1	
Massabesic, northeasterly	Hospital avenue, southeasterly	m	January 31		1
Massabesic, northeasterly	Hospital avenue, southerly	m	January 31	1	
Mast, south side	Riddle to William	m	February 28	3	
Mast, south side	William, westerly	m	February 28	1	
Mechanic, north side	Canal, easterly	m	January 31	4	
Meade, north side	Hall to Belmont	n	April 29	2	
Merrimack south back, north side	Maple, westerly	m	January 31	2	
Merrimack, north side	About 500 feet east of Beacon, easterly	m	January 31	5	
Merrimack, south side	About 200 feet east of Lincoln, easterly	m	January 31	3	
Merrimack, north side	Union, easterly	m	January 31	3	
Merrimack, north side	Maple, westerly	m	January 31	3	
Merrimack, north side	Lincoln, westerly	m	January 31	3	
Myrtle south back, north side	Chestnut, westerly	m	January 31	4	
Myrtle south back, north side	Chestnut to Pine	m	January 31	4	
Myrtle south back, north side	Pine, easterly	m	January 31	3	
Myrtle south back, north side	Walnut, west side	m	January 31	1	
Myrtle south back, north side	Union, westerly	m	January 31	3	
Myrtle, south side	Russell, westerly	n	July 15	2	
Nelson, north side	Jones, west side	m	February 28	1	
Notre Dame avenue east back, west side	Adams, southerly	m	January 31	1	
Oakland avenue, north side	Mammoth road to Woodbine avenue	m	January 31	12	
Orange, north side	Ash to Maple	n	July 15	4	
Orange, north side	Beech to Ash	n	July 15	3	
Orange, south side	Ash, easterly	n	July 15		2
Orange, north side	Maple, westerly	n	July 15		2
Orange, south side	Beech to Ash	n	July 15		2
Orange, north side	Walnut, west side	m	February 10	1	
Orange south back, north side	Chestnut, easterly	m	January 31	1	
Orange south back, north side	Chestnut, westerly	m	January 31	1	
Orange, north side	Pine, easterly	n	December 14	3	
Parker, south side	West, westerly about 200 feet	m	February 28	1	
Pearl, south side	Maple to Nashua	n	April 29	2	
Pearl, north side	Maple to Oak	n	April 29		2
Pine east back, east side	Concord, southerly	n	April 29	2	
Pine, west side	Valley, southerly	m	January 31	3	
Pine, west side	Salmon, north side	m	January 31		1
Pine, west side	Sagamore, south side	m	January 31		1
Pine, west side	Sagamore to Salmon	m	January 31	4	
Pine, west side	Salmon, north side	m	January 31	1	
Pine, west side	Salmon, northerly	m	January 31	1	

POLE LOCATIONS GRANTED AND REVOKED DURING THE YEAR 1910.—*Continued.*

Location.	Limits.		Date.	Pole Locations.	
				Granted.	Revoked.
Pine, west side	Sagamore to Salmon	c	December 29	1	
Pine, west side	Sagamore to Salmon	c	December 29		1
Pine, west side	Laurel south back, south side	m	July 12		1
Pine, east side	Sagamore, south side	m	January 31	1	
Pine, east side	Salmon, north side	m	January 31	1	
Pleasant, south side	Canal, easterly	m	February 10	3	
Proctor road, south side	Portsmouth railroad, easterly	m	February 28	13	
Prospect, north side	Walnut, easterly	m	April 7	2	
Prospect, south side	Maple, west side	m	January 31	1	
Prospect, south side	Maple, easterly	m	January 31	1	
Prospect, north side	Russell, westerly	n	July 15	2	
Prout avenue, east side	Hayward, southerly	m	January 31	4	
Putnam, south side	Whipple, easterly	n	October 17	2	
Putnam, south side	Whipple, easterly	n	October 17		2
Putnam, south side	Notre Dame avenue to Cartier	n	March 18	3	
Putnam, south side	Cartier west back, west side	n	March 18	1	
Putnam, south side	Dubuque, west side	n	March 18	1	
Putnam, south side	Columbus avenue to Bartlett	n	March 18	11	
Ray, east side	Appleton, northerly	m	February 10	5	
Revere avenue, east side	Candia road to Oakland avenue	m	January 31	6	
Rimmon east back, west side	Bremer to Kelley	m	July 12	6	
Rimmon east back, east side	Wayne, northerly	m	January 31	2	
River road, North, east side of Merrimack river	From residence of Clinton Abbott, southerly	n	September 23	13	
River road, east side	West Salmon, southerly	n	April 29	1	
River road, east side	Salmon to West North	n	April 29	6	
River road, west side	West North to West Salmon	n	April 29		5
River road, east side	West Salmon, southerly	n	April 29		1
Rowell, south side	Elm, westerly	m	February 28	3	
Russell, east side	Prospect to Harrison	m	January 31	2	
Russell, east side	Myrtle, northerly	m	January 31	2	
Russell, east side	Myrtle, northerly	m	January 31	1	
Russell, east side	Bridge, northerly	n	April 29	1	
Russell, east side	Arlington to Pearl	n	April 29	2	
Russell, east side	Prospect, northerly	m	January 31		2
Russell, east side	Myrtle, northerly	m	January 31		1

Sagamore south back, north side...	Pine, easterly	m	January 31	3	
Sagamore south back, south side...	Pine, easterly	m	January 31	4	
Sagamore, south side	Union, east side	m	April 7	1	
Sagamore, south side	Canal to Pine	m	January 31	17	
Sagamore south back, south side...	Union, westerly	m	August 4	2	
Salisbury, east side	Hanover, northerly	n	October 17	4	
Salmon, south side	Union, east side	m	April 15	1	
Salmon, north side	Pine to Chestnut	m	January 31	5	
Salmon, north side	Pine, easterly	m	November 23	1	
Salmon, West, south side	River road, westerly	n	April 29	1	
Salmon, West, north side	River road, westerly	n	April 29		1
School, south side	Fourth, easterly	m	May 4	1	
Schuyler south back, north side	East of Notre Dame avenue	m	June 10	1	
Shasta, south side	Maple, westerly	m	January 31	6	
Somerville, south side	300 feet east of Lincoln	m	May 3	1	
Somerville, south side	Lincoln, easterly	m	January 31	2	
Spring, north side	Hampshire lane, westerly	m	January 31	2	
Spruce, south side	West of Cypress	n	November 15	1	
Spruce south back, north side	Manhattan lane to Fifth avenue lane	n	September 23	4	
Spruce south back, south side	Fifth avenue lane, westerly	m	August 4	2	
Stark, north side	Hampshire lane, west side	m	July 19	1	
Stewart, west side	Kingston, northerly	n	July 15	1	
Sullivan, south side	Bartlett to Thornton	m	May 3	2	
Sullivan, south side	Thornton, westerly	m	May 3	1	
Sullivan, south side	Bartlett to Thornton	m	May 3		1
Sullivan, north side	Whipple, westerly	n	October 17	3	
Summer south back, south side	Beech, easterly	n	September 23	1	
Summer south back, south side	Beech, westerly	n	September 23	2	
Thayer, south side	Elm to Everett	n	April 29	2	
Thornton, east side	Sullivan, southerly	m	May 3	4	
Thornton, east side	Sullivan, northerly	m	May 3	1	
Tilton, west side	Milford, northerly	n	November 15	3	
Trenton, north side	Chestnut, easterly	m	February 10	3	
Turner, easterly side	Granite to School	m	December 29	4	
Turner, easterly side	School to School south back	m	December 29	1	
Turner, westerly side	School south back to Bath	m	December 29	1	
Turner, easterly side	Granite to School	m	December 29		4
Turner, easterly side	School to School south back	m	December 29		1
Union east back, east side	Lowell, northerly	n	April 29		2
Union, west side	Bridge to High	n	April 29		3
Union, west side	High, southerly	n	April 29		1
Union, east side	Webster to Appleton	m	January 31		2
Union, east side	Appleton to Clarke	m	January 31		8
Union, east side	Clarke to Carpenter	m	January 31		11
Union, east side	Carpenter to Trenton	m	January 31		4
Union, east side	Trenton to Campbell	m	January 31		10

POLE LOCATIONS GRANTED AND REVOKED DURING THE YEAR 1910.—*Concluded.*

Location.	Limits.		Date.	Pole Locations.	
				Granted.	Revoked.
Union, east side	Campbell, northerly	m	January 31		2
Union, east side	Webster to Appleton	m	January 31	3	
Union, east side	Appleton to Clarke	m	January 31	9	
Union, east side	Clarke to Carpenter	m	January 31	11	
Union, east side	Carpenter to Trenton	m	January 31	5	
Union, east side	Trenton to Campbell	m	January 31	11	
Union, east side	Campbell, northerly	m	January 31	1	
Union, west side	Grove to Green	n	July 15	2	
Union, east side	Amherst to Concord	n	December 14	3	
Union, east side	Amherst, southerly	n	December 14	1	
Union, east side	Cedar to Cedar south back	n	April 29	2	
Union, east side	Cedar south back to Auburn	n	April 29	1	
Union, east side	Auburn to Auburn south back	n	April 29	1	
Union, east side	Auburn south back to Summer	n	April 29	1	
Union, west side	Campbell to Arah	n	April 29	12	
Union east back, west side	Bridge to Lowell	n	April 29	6	
Union east back, west side	Lowell to Concord	n	April 29	3	
Walnut, west side	Lowell to Bridge	m	January 31	1	
Walnut east back, east side	Bridge to Lowell	n	April 29	4	
Walnut east back	Lowell, northerly	n	April 29		1
Warner, east side	Mast to Kingston	n	July 18	4	
Washington, north side	Birch, westerly	m	January 31	1	
Webster, south side	Liberty, east side	m	February 10	1	
Webster, south side	Liberty, east side	m	February 28		1
Webster, West, north side	River road to B. & M. R. R.	n	April 29	6	
Wentworth, east side	Schiller to Bell	m	January 31	5	
Wentworth, east side	Bell, northerly	m	January 31	5	
Wheelock, east side	West Hancock, southerly	m	February 28	1	
Whipple, east side	Putnam, northerly	n	October 17	4	
William, west side	Milford, northerly	n	April 29	1	
William, west side	Milford, northerly about 400 feet	m	February 28	2	
Willow, west side	Merrill, northerly	m	January 31	2	
Wilson, west side	Somerville, southerly	m	January 31	2	
Wilson, west side	Valley, northerly	m	January 31	4	
Woodland avenue	Candia road to Oakland avenue	m	January 31	6	
Young, north side	Ainsworth avenue, easterly	m	January 31	2	
				1,224	219

m Manchester Traction, Light & Power Company.
n New England Telephone & Telegraph Company.
c Commercial Union Telegraph Company.

APPROPRIATION FOR STREET AND PARK COMMISSION.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Advertising	The Manchester Union Co.	$1.56		$10,000.00	Common council	Street and Park Commission
	The John B. Clarke Co.	1.20				
			$2.76			
Bookbinding	Temple & Farrington Co.	.....	13.00			
Lights	M. T. L. & P. Co.	.....	21.60			
Miscellaneous expenses	Harrie H. Clement	$11.27				
	E. Park Stevens	21.95				
			33.22			
Office furniture	Melvin & Fitts	.....	90.00			
Office supplies	Amoskeag Mfg. Co.	$1.75				
	Burroughs Adding Mch. Co.	4.00				
	E. H. Clough, P. M.	20.00				
	W. P. Goodman	39.03				
	Hesser Business College	1.67				
	Kee Lox Mfg. Co.	8.00				
	Ideal Stamp Co.	2.15				
	Manchester Typewriter Ex.	4.25				
	Melvin & Fitts	41.50				
	N. Y. Blueprint Paper Co.	1.60				
	Munson Supply Co.	7.00				
	Francis Pratt, Jr.	1.50				
	Remington Typewriter Co.	2.00				
	Temple & Farrington Co.	21.15				
	John B. Varick Co.	.25				
	Samuel Ward Co.	2.00				
	J. Arthur Williams	3.35				
	Harrie M. Young	1.50				
			162.70			
Printing	The John B. Clarke Co.	$102.50				
	The Ruemely Press	31.75				
	J. Arthur Williams	47.25				
			181.50			

APPROPRIATION FOR STREET AND PARK COMMISSION.—*Concluded.*

Expenditures.				Receipts.		
For	To	Cr.		Dr.	By	For
Salaries of commissioners	William McElroy	$750.00				
	Byron Worthen	750.00				
	Samuel J. Lord	1,100.04				
			2,600.04			
Salaries of superintendents	George P. Ames	$1,500.00				
	Charles Francis	1,200.00				
	Alphonse Laberge	1,092.00				
			3,792.00			
Salary of second-hand	Harold M. Haskell	.....	291.28			
Salaries of timekeepers	Emile A. Blanchet	$477.00				
	John A. Gemmell	692.00				
	Frank P. Collins	52.00				
			1,221.00			
Salaries of clerks	Frank L. Aldrich	$62.50				
	Omer G. Coffin	36.00				
	Harrie H. Clement	372.00				
	Richard V. McAllaster	120.58				
	Frank L. McAllister	40.50				
	John J. McAllister, Jr.	110.16				
	Joseph W. McElroy	123.86				
	Harry G. Sanford	29.75				
	E. Park Stevens	449.65				
	Harrie M. Young	59.40				
			1,404.40			
Subscriptions	Municipal Journal Engineer	.....	3.00			
Telephones	N. E. T. & T. Co.	.....	182.87			
			$9,999.37	$10,000.00		
Balance	Common council	.....	.63			
			$10,000.00	$10,000.00		

SNOW AND ICE AND CLEANING STREETS.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Claims	M. E. Kean, M. D.	$50.00		$18,000.00	Common council	Snow and ice and cleaning streets
	Sacred Heart hospital	10.00				
			$60.00			
Freight	Boston & Maine R. R.	.....	7.96			
New equipment	A. B. Block	.....	130.00			
Payroll	Division No. 2	$14,368.45				
	4	62.66				
	5	81.44				
	7	1,244.20				
	10	2,393.89				
			18,150.64			
Supplies	Geo. W. Dodge Shoe Co.	$7.00				
	The S. P. Dodge Co.	7.15				
	Henry W. Parker	2.10				
	Pike & Heald Co.	1.14				
	John B. Varick Co.	38.98				
			56.37			
Tools	H. Thompson	$61.00				
	John B. Varick Co.	64.07				
			125.07			
			$18,530.04	$18,000.00		
				530.04	Common council	Overdraft
			$18,530.04	$18,530.04		

ITEMIZED OPERATIONS.

	Labor.	Teams.	Total.
Removing snow alongside street railway tracks and snowing crossings	$1,019.26	$448.37	$1,467.63
Delivering sand at schoolhouses	5.64	1.94	7.58
Carrying out ashes at Chandler school	5.94	.....	5.94
Filling sand shed, East Side	265.30	157.28	422.58
Filling sand shed, West Side	72.50	49.50	122.00
Snowing Amoskeag bridge roadway	50.58	17.07	67.65
Sanding sidewalks	422.31	29.06	451.37
Removing snow from rear Mirror building	34.55	14.20	48.75
Removing snow at orphanage	18.82	4.50	23.32
Removing snow at postoffice	5.11	2.43	7.54
Rolling snow speedway on Chestnut street	21.69	18.01	39.70
Cleaning McGregor and Amoskeag bridges	20.67	2.66	23.33
Scraping and cleaning macadam streets	205.50	66.55	272.05
Plowing out sidewalks	106.43	326.01	432.44
Moving snowplows to city farm	10.24	3.06	13.30
Breaking out roads and running gutter plows	1,569.48	867.01	2,436.49
Cleaning gutters and cesspools	2,816.02	930.85	3,746.87
Cleaning gutters, patrol work	4,127.64	624.58	4,752.22
Picking ice in gutters	687.57	9.76	697.33
Hawling away snow and ice	660.44	278.48	938.92
Snowing crossings and streets	37.65	11.03	48.68
Pumping out four cellars	6.32	.76	7.08
Cleaning up streets	255.21	56.06	311.27
Delivering sand at 97 Pennacook street and 261 Manchester street	.53	.26	.79
Thawing out cesspools with boiler	34.08	12.66	46.74
Sweeping, machine work	2,348.04	493.49	2,841.53

REPAIRS OF HIGHWAYS.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Broken stone	Winchester Stone Co.		$4,614.67	$30,000.00	Common council	Repairs of highways
Car service	Boston & Maine R. R.		23.00			
Care of watering trough	Alex Champagne		4.00			
Claims	Geo. J. Gingras	$2.25				
	Ernest Rene	5.25				
			7.50			
Coal	L. B. Bodwell & Co.		680.43			
Curbing	Chas. A. Bailey		158.10			
Electricity	M. T. L. & P. Co.		88.92			
Elm-street contract	Hanscom Construction Co.		1,280.22			
Explosives	John B. Varick Co.		38.64			
Express	American Express Co.		12.50			
Freight	Boston & Maine R. R.		5.16			
Insurance	S. B. Stearns		23.63			
Light	Arthur A. Warren		17.75			
Lubricants	Vacuum Oil Co.		92.30			
New equipment	Carson Trench Machine Co.		360.00			
Paving (tar concrete)	Robie Con. Concrete Co.		104.14			
Paving blocks (granite)	Palmer & Garmon		1,670.90			
Paving contract	Robie Con. Concrete Co.		579.48			
Payroll	Division No. 2	$7,116.27				
	4	100.50				
	5	147.96				
	7	3,439.15				
	9	376.12				
	10	4,350.64				
			15,530.64			
Repairs to equipment	Buffalo Steam Roller Co.	$448.09				
	Drew Machinery Co.	8.10				
			456.19			
Road oil	Indian Refining Co.		536.22			

REPAIRS OF HIGHWAYS.—*Concluded.*

Expenditures.				Receipts.		
For	To	Cr.		Dr.	By	For
Sand	J. D. Lovering	$1.20				
	A. N. Nettle	3.00				
			4.20			
Supplies	John B. Varick Co.	$39.78				
	Pike & Heald Co.	3.86				
			43.64			
Tools	John B. Varick Co.	.....	15.15			
Water	Water commissioners	.....	15.00			
			$26,362.38	$30,000.00		
Balance	Common council	.....	3,637.62			
			$30,000.00	$30,000.00		

NEW HIGHWAYS.

Expenditures.				Receipts.			
For	To		Cr.	Dr.		By	For
Brick	W. F. Head & Son		$463.04	$52,000.00		Common council	New Highways
Car service	Boston & Maine R. R.		9.00	9.60		J. H. Mendell Co.	Broken stone
Castings	American Locomotive Co.	$5.00		1.00		A. F. Whittemore	Cement
	Concord Foundry & Mch Co.	408.83			$312.90	Lincoln Memorial Asso.	Labor
			413.83		4,205.61	Manchester St. Railway	
Catch-basin curbing	Chas. A. Bailey		301.00		15.59	M. T. L. & P. Co.	
Cement	Henry W. Parker		2,040.00		734.54	People's Gas-light Co.	
Claims	Sacred Heart hospital	$7.50			51.83	Adolph Wagner	
	Jakob Jarko	38.06			1.56	George W. York	
			45.56	5,321.43			
Corner curbing	Chas. A. Bailey		175.20	7.11		Stanley K. Lovell	Old lamp
Electricity	M. T. L. & P. Co.		227.43	268.11		Indian Refining Co.	Rebate on overpayment on road oil
Engineering	Frank A. Gay		162.20				
Explosives	J. B. Varick Co.		263.38	573.75		H. W. Parker	Rebate on empty cement bags
Freight	Boston & Maine R. R.		216.30				
Insurance	S. B. Stearns		141.82	48.63		Valley cemetery	Removing trees
Labor	Frank P. Collins		20.00	.74		A. B. Johnson	Sewer pipe
Lights	Standard Oil Co.	$4.90					
	J. B. Varick Co.	26.55					
	The Texas Co.	18.03					
			49.48				
Lubricants	Vacuum Oil Co.		59.38				
Lumber	The Head & Dowst Co.	$12.51					
	B. F. Greer	389.99					
	West Side Lumber Co.	74.41					
			476.91				
New equipment	J. B. Varick Co.	$32.50					
	Buffalo Steam Roller Co.	3,500.00					
	Harold L. Bond Co.	91.00					
			3,623.50				
Painting guide boards	Chas. F. McCarthy		8.00				
Paving blocks	Palmer & Garmon		1,241.32				
Payroll	Division No. 2	$20,710.65					
	4	281.00					
	5	296.11					

NEW HIGHWAYS.—*Continued.*

Expenditures.				Receipts.			
For	To	Cr.		Dr.		By	For
Payroll	Division No 7	$4,621.64					
	9	2,029.24					
	10	5,895.18					
			$33,833.82				
Repairs to equipment	Buffalo Steam Roller Co.	$72.15					
	American Locomotive Co.	142.75					
	Drew Machinery Agency	6.50					
	Good Roads Machine Co.	524.05					
	Ingersoll-Sergeant Drill Co.	21.94					
	Lidgerwood Mfg. Co.	8.05					
			775.44				
River road, North (W. Manchester)	James F. Cavanaugh	.....	1,000.00				
Road oil	Indian Refining Co.	.....	273.78				
Salary of inspector	John J. McAllister, Jr.	.....	91.80				
State aid (contract)	James F. Cavanaugh	.....	8,823.56				
Stone	Winchester Stone Co.	.....	11,555.51				
Supplies	Besse-Eldridge Co.	$0.42					
	Jere Hodge	12.70					
	A. N. Nettle	5.00					
	Henry W. Parker	.70					
	Pike & Heald Co.	25.17					
	J. B. Varick Co.	199.97					
			243.96				
Switching service	Boston & Maine R. R.	.....	3.00				
Tarvia	Barrett Mfg. Co.	.....	650.00				
Tools	John B. Varick Co.	.....	165.88				
Water	Water commissioners	.....	15.00				
			$67,369.10	$58,230.37			
				9,138.73	.....	Common council	Overdraft
			$67,369.10	$67,369.10			

ITEMIZED OPERATIONS.

Location.	Limits.	Labor.	Teams.	Total.
A street	South Main, westerly	$185.12	$76.50	$261.62
Amory	Montgomery, westerly	105.25	22.50	127.75
Amory	Hevey, westerly	46.00	9.00	55.00
Amory	Rimmon, westerly	19.25	13.50	32.75
Amory	Alsace, westerly	110.25	63.00	173.25
Ash	Corner Pearl	1.76	2.25	4.01
Ashland	Corner Bridge	1.23	.....	1.23
Arlington	Corner Warren	2.16	.....	2.16
Beech east back	Salmon to North	38.30	18.00	56.30
Bedford	.....	954.72	477.70	1,432.42
Blodget	Elm to Chestnut	193.89	144.60	338.49
Brown avenue	Elm, westerly	886.16	808.30	1,694.46
Bismarck	Milford, northerly	58.50	36.00	94.50
Bridge	Belmont, easterly	74.51	67.50	142.01
Bartlett	Putnam, southerly	80.00	13.50	93.50
Bridge	Maple to Beech	.....	.....	.....
Beech	Bridge to Pearl	10.55	2.45	13.00
Bay	Clarke to Carpenter	121.31	112.60	233.91
Beacon	Corner Merrimack	2.64	2.25	4.89
Central	Milton to Beacon	45.75	31.00	76.75
Cilley road	Hall, westerly	242.89	54.00	296.89
Cartier and Dubuque streets	.....	17.75	18.00	35.75
Conant	Notre Dame avenue, westerly	21.25	13.50	34.75
Central	Bedford to east of Canal	69.58	36.00	105.58
Cheney place	Brown avenue to Elm	141.56	143.17	284.73
Chestnut	Manchester to Merrimack	.....	.....	.....
Chestnut	Corner Concord	.....	.....	.....
Hanover	Corner Beech	4.42	.....	4.42
Cartier-Hevey	.....	.....	.....	.....
Dubuque-Bartlett	.....	.....	.....	.....
Rimmon-Amory	.....	127.59	33.75	161.34
Candia road	.....	38.69	18.00	56.69
Central	Lincoln to Hall	.....	.....	.....
Central	Corner Canal	.....	.....	.....
Oak	Myrtle to Prospect	.....	.....	.....
Prospect	Oak to Maple	10.50	13.50	24.00

ITEMIZED OPERATIONS.—*Continued.*

Location.	Limits.	Labor.	Teams.	Total.
Cumberland	South of Amory	$24.96	$13.50	$38.46
Cypress	Clay, southerly	1,299.33	430.25	1,729.58
Charleston avenue	Rochelle avenue, westerly	56.00	45.00	101.00
Dubuque	Kelley, southerly	15.75	9.00	24.75
Douglas	Barr, westerly	61.25	40.50	101.75
Dartmouth	.....	.....	.....	.....
Frederick	.....	17.25	.....	17.25
Dartmouth	Goffe, southerly	14.00	.....	14.00
Elm	Langdon to Webster	802.13	508.24	1,310.37
Eddy road	.....	11.00	9.00	20.00
Elm avenue	.....	99.07	99.11	198.18
Elm	(Block paving job)	13.38	13.50	26.88
East Spruce	Kenney to Canton	189.73	228.36	418.09
Franklin	Granite to Market	7.02	6.75	13.77
Franklin	West Cedar to West Auburn	49.90	22.50	72.40
Granite	West, westerly	8.43	10.12	18.55
Goffe	South Main, easterly	128.50	37.50	166.00
Hanover	(Boulevard)	165.13	45.00	210.13
Hancock	.....	188.98	151.15	340.13
Hall	Corner Bridge	1.23	.....	1.23
Hanover	Near Mammoth road	39.10	11.45	50.55
Harvell	Main, easterly	135.08	49.50	184.58
Kelley	Coolidge avenue, westerly	7.00	4.50	11.50
Kelley	Dubuque, westerly	70.12	31.50	101.62
Kenney	Lake avenue to Spruce	167.22	105.75	272.97
Lake avenue	Chestnut to Pine	160.26	49.50	209.76
Milton	Corner Central	65.65	29.25	94.90
Mast road	.....	352.17	179.50	531.67
Milford	.....	15.75	4.50	20.25
Myrtle	Linden to Hall	10.50	9.00	19.50
Manchester	Maple to Lincoln	.....	.....	.....
Myrtle	.....	15.75	13.50	29.25
Myrtle	Elm to Chestnut	7.00	6.55	13.55
Maple	Cedar to Auburn	3.71	5.00	8.71
Notre Dame avenue	Wayne to Putnam	1,103.53	546.42	1,649.95
Notre Dame avenue	Amory, northerly	25.50	9.00	34.50

North	Walnut, easterly	141.50	47.25	188.75
Pearl	Walnut to Russell	7.05	8.23	15.28
Putnam	Bartlett, westerly	16.25	31.50	47.75
Parker	South Main, westerly	158.87	122.50	281.37
Prospect	Pine to Union	65.30	77.63	142.93
Putnam	Corner of Wayne	18.50	9.00	27.50
Putnam	Bartlett to Whipple	61.46	49.50	110.96
Park avenue	River road to Crown	83.66	27.00	110.66
Rochelle avenue	Mast, southerly	6.00	4.50	10.50
River road	(Amoskeag)	54.27	.....	54.27
Rimmon	Wayne to Putnam	17.75	22.50	40.25
Railroad		6.00	2.44	8.44
Rimmon	Wayne, southerly	11.50	1.22	12.72
River road	West Salmon, northerly	1,001.46	568.25	1,569.71
River road	Ready, southerly	181.08	38.18	219.26
River road	(North)	125.09	82.13	207.22
South Main and Fourth		20.00	13.50	33.50
South Main	Allen, southerly	42.25	31.50	73.75
Spruce	Maple, westerly	594.80	633.37	1,228.17
Somerville	Lincoln to Wilson	93.26	36.00	129.26
Sullivan	Notre Dame avenue, westerly	9.61	11.24	20.85
Somerville		1,389.75	376.07	1,765.82
Thornton	Putnam, southerly	40.37	22.50	62.87
Thornton	Janelle avenue to Putnam	79.87	18.00	97.87
Union	Webster, northerly	539.52	306.63	846.15
Waldo	Elm to Everett	48.33	15.75	64.08
Webster	Elm to Chestnut	92.75	36.00	128.75
Willow	At Cohas shoe shop	412.87	304.84	717.71
West Salmon	Elm, westerly	523.00	342.00	865.00
Welch avenue		91.51	76.50	168.01
Wilson		29.50	9.00	38.50
West	Granite to Conant	144.16	63.00	207.16
West	Granite to Parker	80.50	9.00	89.50
West Central	At Canal	103.28	57.38	160.66
		$15,234.03	$8,409.08	$23,643.11

ITEMIZED OPERATIONS (Miscellaneous Work).

	Labor.	Teams.	Total.
Crusher, South Elm street	$5.96	$0.61	$6.57
Cleaning crossings	93.98	.....	93.98
Erecting reviewing stand (Parade French-American)	11.30	2.45	13.75
Elm, corner Salmon	14.13	1.13	15.26
Erecting automobile signboards	3.38	.....	3.38
Hauling sand to barn from Bank	3.50	9.00	12.50
Hauling stone, sand and circles from Byron Worthen's house to city yard	2.74	2.25	4.99
High school	9.83	4.50	14.33
Hauling cement to Amoskeag Mfg. Co.	11.22	9.18	20.40
Lake avenue, between Chestnut and Pine	82.04	27.20	109.24
Lake avenue (paving job)	6.15	7.35	13.50
Mast	10.40	13.46	23.86
Orange, Oak to Linden	.....	.....	.....
Orange, corner Walnut	.....	.....	.....
Beech, corner Merrimack	.....	.....	.....
Hall, Bridge to Mead	15.75	22.50	38.25
Plummer, Pine to Union	.....	.....	.....
Hollis, Elm to Canal	.....	.....	.....
Dean back street at Hubbard's	.....	.....	.....
Hall, Bridge to East High	.....	.....	.....
Hall, Hanover to Amherst	30.46	32.92	63.38
Pleasant, Elm to Franklin	.....	.....	.....
Granite, Elm to Franklin	.....	.....	.....
Franklin, Granite to Market	.....	.....	.....
Spruce, corner Elm	.....	.....	.....
Hall, Hanover to Manchester	3.50	4.50	8.00
Picking stone	173.49	.....	173.49
Repairing roller	7.87	.....	7.87
Repairing pitch holes	12.80	6.95	19.75
River road, crusher	765.12	137.25	902.37
Road machine work	.....	.....	.....
Eddy road, 2,730 feet	.....	.....	.....
Dartmouth street, 840 feet	.....	.....	.....
Goffe street, 700 feet	.....	.....	.....
Wentworth street, 1,750 feet	28.00	18.00	46.00
Repairing fence, South Main	12.75	.....	12.75
Rimmon ledge (picking gravel)	13.00	2.25	15.25
Second street	3.60	5.41	9.01
Unloading paving blocks	41.38	18.00	59.38
Unloading stone (Electric Light station sidetrack)	15.88	20.25	36.13
Unloading stone (Electric Light station sidetrack)	15.92	18.01	33.93
Unloading car cement to shed	25.88	15.75	41.63
Unloading paving blocks, track No. 10	11.72	2.45	14.17
Unloading stone (city yard)	482.70	.....	482.70
Unloading pipe (city yard)	33.38	.....	33.38
Wilson Hill ledge	3,000.65	194.83	3,195.48
Willow street at Cohas shoe shop	4.26	.....	4.26
	$4,952.74	$576.20	$5,528.94

The following is a list of highways built during the year 1910 which were included in the list of highways under the estimate of expenses for 1910:

Location.	Limits.
Amherst	Pine to Union
Bay	Judge Hunt's to Carpenter St
Bedford	Granite to West Central
Boynton	Allen to Bedford line
Boynton	South Main to Allen
Bridge	Elm to Maple
Brown avenue	Elm to Byron
Kenney	Lake avenue to Spruce
Park avenue	River road, westerly
River road	West Salmon to West Webster
Salmon, West	Elm to Amoskeag bridge
Second	Blaine to Harvell
Second	Harvell to South Main
Somerville	Belmont to Jewett
Spruce	Pine to Beech (½)
Spruce	Beech to Massabesic (½)
Webster	Elm to Carpenter
West	Conant to Parker

WATERING STREETS.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Care of watering trough	Alex Champagne	.....	$3.00	$10,000.00	Common council	Watering streets
Freight	Boston & Maine R. R.	.....	9.70			
Ice	Manchester Coal & Ice Co.	$68.74				
	Maxwell Ice Co.	146.55				
			215.29			
Labor	Robie Con. Concrete Co.	.....	165.91			
New equipment	Chandler Eastman & Co.	$575.00				
	John B. Varick Co.	375.00				
			950.00			
Payroll	Division No. 2	$5,457.60				
	7	1,192.71				
	10	1,314.87				
			7,965.18			
Repairs to equipment	The S. P. Dodge Co.	.....	29.95			
Road oil	Indian Refining Co.	.....	546.75			
Supplies	Geo. W. Dodge Shoe Co.	$32.00				
	Kearns & Goldie	4.30				
	Kimball Carriage Co.	2.50				
	Fred F. Osgood	3.15				
	Pike & Heald Co.	41.04				
	John B. Varick Co.	9.89				
	West Side Lumber Co.	2.00				
			94.88			
			$9,980.66	$10,000.00		
Balance	Common council	.....	19.34			
			$10,000.00	$10,000.00		

ITEMIZED OPERATIONS.

	Labor.	Teams.	Total.
Flushing streets	$550.90	.....	$550.90
Miscellaneous work	35.64	$2.55	38.19
Repairing, cleaning and painting fountains and watering troughs	158.70	3.96	162.66
Repairing standpipes	75.45	3.35	78.80
Sprinkling streets, Divisions Nos. 2, 7, 10.	88.26	6,654.36	6,742.62
Treating streets with oil	149.84	242.17	392.01
	$1,058.79	$6,906.39	$7,965.18

PAVING STREETS.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Cement	Amoskeag Mfg. Co.	$21.88		$10,000.00	Common council	Paving streets
	Henry W. Parker	$1,277.57				
			$1,299.45			
Freight	Boston & Maine R. R.		94.61			
Insurance (steam boiler)	S. B. Stearns		23.63			
New equipment	Municipal Engineering & Contracting Co.		1,145.00			
Paving (tar concrete)*	Robie Con. Concrete Co.		1,625.35			
Paving blocks (granite)	Manchester St. Railway	$53.13				
	Palmer & Garmon	1,124.77				
			1,177.90			
Paving blocks (wood)	U. S. Wood Preserving Co.		3,111.53			
Payroll	Division No. 2	$533.25				
	7	5.25				
	10	532.97				
			1,071.47			
Repairs to machinery	Fitz-Dillingham Co.	$1.00				
	Manchester Machine Works	.75				
			1.75			
Salary of inspector	John J. McAllister, Jr.		34.34			
Supplies	Frost Paint & Mfg. Co.	$6.75				
	Pike & Heald Co.	.51				
	John B. Varick Co.	.67				
			7.93			
Tarvia	Barrett Mfg. Co.		256.00			
Use of workcar	Manchester St. Railway		28.67			
			$9,937.63	$10,000.00		
Balance	Common council		62.37			
			$10,000.00	$10,000.00		

*See Engineer's Department report, Tables 2, 5, 6.

MACADAMIZING STREETS.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Broken stone	Fred E. Ellis	$14.22		$10,000.00	Common council	Macadamizing streets
	Winchester Stone Co.	576.05				
			$590.27			
Car service	Boston & Maine R. R.		80.00			
Coal	L. B. Bodwell Co.		496.01			
Corner curbing	Chas. A. Bailey	$360.05				
	Palmer & Garmon	134.52				
			494.57			
Insurance (steam boiler)	S. B. Stearns		47.26			
Labor	Amoskeag Mfg. Co.		28.50			
Lights	Standard Oil Co.		5.50			
Old bills	Winchester Stone Co.		292.64			
Payroll	Division No. 2	$258.07				
	10	11.00				
			269.07			
Tarvia	Barrett Mfg. Co.		520.00			
State aid (contract)	James F. Cavanaugh		676.81			
River road contract	James F. Cavanaugh		2,201.51			
Webster-St. contract	James F. Cavanaugh		1,000.00			
			$6,702.14	$10,000.00		
Balance	Common council		3,297.86			
			$10,000.00	$10,000.00		

SETTING EDGESTONES, CORNER CURB AND PAVING GUTTERS.

Street.	Location.	Size of circle.	Cost of circle.	Length.	Total cost.	Length edgestone.
Amherst	Lincoln, southeast corner	2-3	$6.31	9.42	$26.75	154
Beech	Salmon				45.87	53
Bedford	Granite, northerly	9-10	94.61	141.21		
		4-3	12.63	18.84		550 new
		2-10	21.02	31.38	547.19	156 old
Brown avenue	Elm, westerly	2-12	25.29	37.68		
		10-10	105.12	156.90	228.40	
Beacon	Hanover	1-10	10.51	15.69		35
Bridge (north side)	Between Birch and Chestnut	2-3	6.35	9.42	10.00	36
Beacon	Lowell	1-10	10.51	15.69	11.25	160
Beech	Lake avenue				16.90	125
Beech	At No. 830				9.10	50
Bridge	Birch	1-10	10.51	15.69	47.55	228
Birch	Back street	1-3	3.16	4.71		7
Canal	West Central	3-10	31.54	47.07	152.25	457
Chestnut	Bridge	1-10	10.51	15.69	24.60	108
Chester	Between Lincoln and Ashland				11.35	
Concord	At Joliette club				9.60	76
Dubuque	North of Amory				16.16	106
Davis						90
Elm	Manchester				7.77	
Elm	At C. A. Bailey's	1-12	12.62	18.84		
		2-3	5.65	9.42	42.14	158
Elm	Opposite Trenton	2-3	5.65	9.42		86
Granite	Franklin, west	1-10	10.51	15.69	10.38	85
Harrison	Linden, easterly				103.12	216.25
Hanover	At Crown theatre				13.00	43
Hanover	Lincoln					
Chester	Lincoln				75.25	
Hanover	Hubbard	2-10	21.02	31.38	11.35	277
Hancock	Hamilton	2-8	16.80	25.08	23.26	
Hanover	Between Maple and Lincoln				17.25	
Kenney		2-10	21.02	31.38		
		2-3	6.31	9.42	82.70	200

Kearsarge	South of Amory				6.22	50
Kelley	Dubuque				25.79	
Lincoln	Between Merrimack and Manchester				22.50	57
Lincoln	Merrimack	1-10	10.51	15.69		
		4-3	12.62	18.84	53.59	231
Lake avenue	Between Chestnut and Pine				90.91	625 reset
						300
Lowell	Beacon				9.50	
Merrimack	Between Lincoln and Wilson				9.01	73
Main	South of Wayne				3.75	12
Maple	Between Concord and Lowell				11.00	60
Milton	Central	4-8	33.61	50.16	16.90	
Merrimack	Between Elm and Chestnut				3.38	
Notre Dame avenue.	Wayne	1-10	10.51	15.69	7.50	
North	Walnut	3-10	31.54	47.07		
		4-3	12.62	18.84	41.75	141
Notre Dame avenue.	Putnam to Wayne				75.01	453
Pine	At Valley cemetery	2-3	6.31	9.42	143.43	
Putnam	Whipple	2-8	16.80	25.08	10.00	
Prospect	Walnut (southwest corner)				15.01	
Prospect	Walnut (southeast corner)	1-10	10.51	15.69	2.01	
River road (North)	Ready (southerly)	7-10	73.59	109.83		
		2-3	6.31	9.42	107.64	
River road (North)	At L. G. Smith's				16.90	210
River road (North)	At George Trudel's				15.25	85
River road	Agawam				16.90	58
Salmon	Bay	1-10	10.51	15.69		
		1-3	3.16	4.71	49.19	250
Spruce	Between Canton and Kenney				59.75	93
Spruce	Pine to Barry avenue					46
Pine	Spruce, southerly				32.05	101 reset
Trenton	Elm	1-12	12.62	18.84		
		2-10	21.02	31.38	316.33	248
Union	At No. 1192				89.31	100
Valley	Pine				3.19	
Walnut	Prospect	1-10	10.51	15.69		
		1-3	3.16	4.71	41.25	
Webster	Elm to Chestnut				174.65	
West Webster	River road	1-8	8.40	12.54	7.12	
West Auburn	Franklin				133.13	
Willow	At Cohas shoe shop	2-3	6.31	9.42	82.59	391
			$741.92	1,109.31	$3,092.28	7,040.25

GRADING FOR CONCRETE.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Corner curbing	Palmer & Garmon		$623.11	$2,000.00	Common council	Grading for concrete
Lights	Arthur A. Warren		6.00	40.00	Rev. John J. Brophy	Curbing
Payroll	Division No. 2	$4,922.35				
	7	341.73				
	10	765.87				
			6,029.95			
Supplies	John B. Varick Co.		35.61			
			$6,694.70	$2,040.00		
				4,654.70	Common council	Overdraft
			$6,694.70	$6,694.70		

GUTTER PAVING.

Street.	Location.	Length.	Width.	Square yards.	Labor.
Brown avenue	Elm, westerly	100	3	300	$4.52
		250	4	1,000	.....
Canal	West Central	225	3	675	.....
Cheney place	Elm street to Brown avenue	750	3	2,250	65.50
Hancock		675	3	2,025	116.00
Kenney		200	3	600	82.70
Lincoln	Merrimack	231	3	693	53.59
Merrimack	Between Lincoln and Wilson	73	3	219	9.01
North	Between Walnut and Beech	240	3½	840	40.81
River road, North	Ready, south	750	3	2,250	107.64
Salmon	Bay, northwest corner	150	2	300	49.19
Spruce	Between Canton and Kenney	860	3½	3,010	59.75
Thornton	North of Putnam, (Thornton)	48	3	144	.....
Thornton	(Putnam)	124	3	372	8.25
Union	Prospect	106	3	318	13.75
Union	Corner Webster	225	3	675	33.03
Walnut	Prospect	209	3½	731.5	41.25
West Salmon		1,510	3	4,530	87.88
Willow	At Cohas shoe shop	395	3	1,185	.....
		375	3	1,125	10.92
				23,992.5	$783.79
Cartier east back	South of Amory	.....	....	.....	$21.00
East Spruce	Kenney to Canton	.....	....	.....	44.39
Harrison, north side	Linden, easterly	.....	....	.....	103.13
Hanover	(Boulevard)	.....	....	.....	100.51
Milton	Central	.....	....	.....	45.00
Prospect	Walnut	.....	....	.....	15.01
River road		.....	....	.....	317.04
Webster	Elm to Chestnut	.....	....	.....	127.40
West Central	Near Canal	.....	....	.....	15.89
					$789.37

PAVING GUTTERS.

		Labor.	Team.	Total.	Charge to
Block paving	Elm street at North and Webster	$12.13	.....	$12.13	M. T. L. & P. Co...
Hauling pump for Cohas shoe shop	.....	2.16	$2.25	4.41	W. H. McElwain Co.
Setting curbing and two stepping stones	No. 352 Laurel street	9.00	.....	9.00	Amariah Avery.....
	No. 524 Lake avenue, 21 bags cement, 2 loads stone	8.52	.61	9.13	Byron Worthen.....
Blasting out pole holes	Trenton street, corner Elm, 8 lbs. dynamite, 23 exploders	14.63	.....	14.63	N. E. T. & T. Co...
Building sidewalk	Valley and Pine streets, at Valley cemetery Valley street side: 78 loads No. 3 stone (Salem) 11 loads No. 2 stone Pine street side: 8 loads Pea stone 31 loads dust 46 loads No. 3 stone 35 loads No. 2 stone 18 loads dust 7 loads dust (city pile)	401.28	151.15	552.43	Valley cemetery.....
		$447.72	$145.01	$601.73	

MISCELLANEOUS GRADING.

Street.	Location.	Labor.	Teams.	Total.
Amory	West of Alsace	$7.50	.....	$7.50
Amory	West of Cumberland	16.50	$4.50	21.00
Beech	Lake avenue	14.75	4.50	19.25
Blaine	Third	22.75	9.00	31.75
Bartlett	Putnam	7.50	.....	7.50
Cumberland	South of Amory	21.25	9.00	30.25
Central	East of Milton	31.15	9.00	40.15
Cumberland	Amory	8.46	.....	8.46
East High	North side between Beacon and Union	24.50	18.00	42.50
Hevey	North of Kelley	7.50	.....	7.50
Merrimack	Northeast corner Lincoln	5.45	.61	6.06
Maple	At No. 639	5.25	4.50	9.75
Notre Dame avenue	South of Wayne	36.25	.....	36.25
Putnam	West of Bartlett	278.75	20.25	299.00
Putnam	East of Notre Dame avenue	7.25	.....	7.25
River road (east side)	North of West Clarke	23.30	12.47	35.77
Spruce	Canton	11.00	.....	11.00
West Salmon (north side)	.....	28.88	22.50	51.38
Youngsville schoolhouse	.....	257.50	72.00	329.50
Miscellaneous grading	Various locations	73.48	22.50	95.98
		$888.97	$208.83	$1,097.80

SCAVENGER SERVICE.

Financial Statement.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Freight	Boston & Maine R. R.		$32.00	$30,000.00	Common council	Scavenger service
Inspector's salary	Levi J. Proctor		944.97			
New equipment	Ranno Saddlery Co.	$120.00				
	J. Spencer Turner Co.	228.75				
	Watson Wagon Co.	779.30				
			1,128.05			
Payroll	Division No. 2	$13,609.72				
	7	1,935.31				
	10	4,420.04				
			19,965.07			
Scavenger contract	Mrs. W. H. Bickford, admx.		1,922.64			
Supplies	The John B. Clarke Co.	$15.00				
	Frost Paint & Mfg. Co.	13.50				
	Ranno Saddlery Co.	7.50				
	J. Arthur Williams	11.25				
			47.25			
Tools	John B. Varick Co.		76.03			
			$24,116.01	$30,000.00		
Balance	Common council		5,883.99			
			$30,000.00	$30,000.00		

Itemized Operations.

COLLECTION.

The city is divided into routes including territory as listed and are covered and collected on days as indicated in the next following table.

Route.	Location (Including Territory Bounded By).
No. 1.	Harrison, Elm, West Salmon, River road, Rowell, Union, Webster, Union east back.
No. 2.	Orange, Elm, Harrison, Union east back, Webster, Walnut east back.
No. 3.	Orange, Walnut east back, Webster, Beech east back, Sagamore, Linden.
No. 4.	Bridge, Beech, Orange, and Belmont.
No. 5.	Concord, Nashua, Bridge, and Highland.
No. 6.	Nashua, Ash, and Bridge.
No. 7.	Concord, Union, Bridge, and Ash.
No. 8.	Concord, Chestnut, Orange, Beech, Bridge, and Union.
No. 9.	Concord, Elm, Orange, and Chestnut.
No. 10.	Beech, Concord, Beacon, Hanover, Hall, and Manchester.
No. 11.	Manchester, Union, Concord, and Beech.
No. 12.	Manchester, Elm, Concord, and Chestnut (now included in Route No. 23).
No. 13.	Hall, Hanover, Beacon, Merrimack, Cass, and Lake avenue.
No. 14.	Beech, Manchester, Hall, Lake avenue, Wilson, and Lake avenue south back.
No. 15.	Manchester, Beech, Laurel, Chestnut, Merrimack, and Elm.
No. 16.	Lake avenue, Elm, Central, Chestnut, Laurel, and Beech.
No. 17.	Lake avenue south back, Beech, Wilson, Spruce south back, Lincoln, Cedar south back, Maple and Auburn south back.
No. 18.	Lake avenue, Beech, Auburn, and Elm.
No. 19.	Pine, Auburn, Beech, Bell, Calef road, Baker, Brown avenue, Elm, Auburn, Willow, Valley, Pine, and Hayward.
Nos. 20 & 21.	Elm to corporation district, from Auburn to Langdon.
No. 22.	Chestnut, Concord, Union, and Manchester.
No. 23.	Elm from Merrimack common to Orange, including Route No. 12 and part of Route No. 9.
No. 31.	Piscataquog river, Merrimack river, Schiller, Second, Woodbury, and South Main.
No. 32.	South Main to south of Harvell, Donald, and Milford.
No. 33.	Milford, Sylvester, Avon, Charleston avenue, Mast to Brock, Mast road, and South Main.
No. 34.	Turner, 'Squog river, School, and South Main.
No. 35.	Turner, School, both sides of Main to 'Squog river, 'Squog river to Conant, and Granite.
No. 36.	'Squog river, Granite, and South Main.
No. 37.	Granite, Railroad, Conant, and Main.
No. 38.	Railroad, Conant, Notre Dame avenue, Adams, Gates, Blucher and the whole of Whittemore Flats.

No. 39. Conant, Notre Dame avenue, Sullivan, Cartier, Kelley, Coolidge avenue, Amory, and Main.
No. 40. Main, Amory, and McGregor.
No. 41. McGregor, Amory, and Main, north of Amory.
No. 42. Cartier, Amory, and Columbus avenue.
No. 43. Cartier, Kelley, Montgomery, and Amory.
No. 44. Coolidge avenue, Mason, Montgomery, and Kelley.
No. 45. Montgomery, westerly to Kimball and the residential section south of Amory and north of Kelley.
No. 46. Includes the residential section of Amoskeag.
No. 47. Valley, Wilson, Cilley road, Pine, and Willow.
No. 48. Wilson, Taylor, Valley, and Cilley road.
No. 49. Wilson, Spruce, Massabesic, Belmont, Summer, Dearborn, Taylor, and Valley.
No. 50. Wilson, Lake avenue, Belmont, Massabesic, and Spruce.
No. 51. Belmont, Summer, Dearborn, Taylor, Massabesic, Hall road, and Lake avenue.
No. 52. Taylor, Massabesic, Mammoth road, Young, Somerville, Jewett, and Cilley road.
No. 53. Hall road, Lake avenue, Mammoth road, Portsmouth railroad, Page, Candia road, and Massabesic.

Days and Routes Collected

	Mondays.	Tuesdays.	Wednesdays.	Thursdays.	Fridays.	Saturdays.
WW	1	2	3	1	2	3
WW	4	6 & 8	9	5	6 & 8	9
WW	10	11	6 — 8	10	11	6 — 8
WW	13	14	17	17	13	19
LW	23	23	23	23	23	23
WW	20 & 21	20 & 21	20 & 21	20 & 21	20 & 21	20 & 21
WW	18	16	18	16	18	16
WW	1	15	3	15	2	15
WW	40 & 39	40 & 42	40 & 44			
			46	40 & 45	40 & 41	40 & 43
SW	34 & 38	35 & 36	32 & 33	37 & 38	31 & 35	34 & 35
LW	52	47 & 50	51	48 & 50	53	49 & 50

WW—Watson wagon.
LW—Long sideboard wagon.
SW—Single wagon.

The Watson wagons (5-yard) have decreased the cost of collection and hauling in the ratio of five to two per cubic yard.

Following is a schedule, setting forth the route, cost of labor, cost of teams, total cost, number of loads and cubic yards collected during 1910.

SUMMARY OF SCAVENGER WORK FOR FIFTY-ONE WEEKS, ENDING DECEMBER 17, 1910.

Route.	Labor.	Teams.	Total cost.	Loads.	Cubic yards.
1	$1,024.06	$394.61	$1,418.67	658	3,346.74
2	645.78	245.31	891.09	404	2,111.44
3	526.17	207.00	733.17	307	1,600.64
4	265.08	101.00	366.08	177	933.00
5	278.19	106.00	384.19	181	949.00
6 & 8	853.89	328.50	1,182.39	587	2,991.99
9	574.71	219.50	794.21	367	1,956.98
10	372.85	109.71	482.56	353	805.90
11	358.91	108.50	467.41	349	799.75
13	527.61	199.00	726.61	314	1,546.34
14	267.72	98.00	365.72	170	756.33
15	621.89	224.00	845.89	391	2,084.92
16	644.50	234.04	878.54	410	2,224.33
17	527.01	200.33	727.34	310	1,474.40
18	1,080.10	393.65	1,473.75	706	3,591.00
19	263.41	101.00	364.41	152	737.14
20 & 21 ...	1,614.31	606.00	2,220.31	989	5,168.08
22	384.35	116.25	500.60	365	871.53
23	1,521.85	598.00	2,119.85	1,018	5,466.20
31	94.01	26.50	120.51	228	404.24
32	94.03	26.50	120.53	173	321.42
33	90.54	26.00	116.54	199	376.89
34	168.00	47.50	215.50	321	599.14
35	339.66	93.25	432.91	579	1,063.29
36	97.57	27.50	125.07	192	357.40
37	171.07	47.63	218.70	370	689.22
38	151.01	46.00	197.01	281	578.52
39	90.55	27.00	117.55	192	392.96
40	522.27	155.00	677.27	678	1,387.43
41	94.06	27.75	121.81	177	339.41
42	91.44	26.50	117.94	186	367.78
43	94.05	27.50	121.55	202	418.08
44	43.90	12.77	56.67	69	144.05
45	93.18	27.50	120.68	183	381.94
46	53.21	15.70	68.91	108	215.40
47	216.93	71.00	287.93	258	560.04
48	215.16	70.25	285.41	291	603.76
49	164.89	51.75	216.64	218	459.55
51	236.32	74.50	310.82	316	682.58
52	236.30	78.50	314.80	363	801.20
53	176.72	58.50	235.22	243	501.68
Total for routes	$15,887.26	$5,655.50	$21,542.76	14,035	51,050.88
Dump men	2,261.80		2,261.80		
Total	$18,149.06	$5,655.50	$23,804.56	14,035	51,050.88

DISPOSAL.

The Wentworth-street dump is practically filled and further dumping will probably not be allowed. Arrangements have been made whereby the city may dump during the winter months in the Christian Brook valley east of Elm street. In the first dump, between Elm and Chestnut streets, a fill of about 22,000 yards will be required to bring the surface to about one foot below the finished grade; it would require all city teams about six months' time to make this fill, the teams, however, dumping are only those from the east side of the river, exclusive of East Manchester, and it would probably require twenty-eight weeks to fill the dump. The teams were turned into this dump about the nineteenth of December, 1910, and if dumping can be continued until about May 1, 1911, about 14,600 cubic yards of material will have been dumped in, leaving the dump about two thirds filled, and requiring about nine more weeks to complete the filling. In the event of abandoning this dump, other dumping ground must be found to take care of the city's refuse, which amounts on the average to about 1,000 cubic yards per week throughout the year. After this dump is abandoned the Putnam-street dump will be available, also one dump about three fourths of a mile beyond the Wentworth-street dump, and one small dump near Wentworth street.

The nearer the city the greater the cost of caring for the dump, three men being required at the North End dump at the present time; the further from the city the greater the cost of hauling, which is by all means one of the principal items to be considered exclusive of the sanitary conditions.

FOLLOWING IS A SCHEDULE GIVING THE LOCATION OF THE DUMPS, THE TOTAL NUMBER OF LOADS HAULED FROM EACH ROUTE TO EACH DUMP FOR 51 WEEKS ENDING DECEMBER 17, 1910.

Route.	Wentworth.	Putnam.	Somerville.	Sagamore.	South Main, McQueston.	Boutwell.	North Union, Willey's Ledge.	South Main, Smalley's.	Mast, Hoyt's.	Granite.	Bodwell.	City Yard.	Maxwell.
1	50	417					158						
2	30	331					43						
3	25	244					38						
4	1	179	3	2			1						
5	12	169											
6 and 8	44	552											
9	57	318	2		3		1						
10	352	1	8										
11	354		3										
13	198		130	1			2						
14	151		8										
15	391				1								
16	409	1											
17	293		15										
18	704	2											
19	152												
20 and 21	887	2											
22	365												
23	958	56						4					
31	230	8			1								
32	51	3			70			56					
33	63							41	99				
34	276	42						3		9		9	
35	429	64			30		1	33	1	10		4	
36	100	81								6		6	
37	139	197			2					17		4	
38		279			2							1	
39	3	197								2			
40		688											
41	173												
42	186												
43		216											
44		69											

FOLLOWING IS A SCHEDULE GIVING THE LOCATION OF THE DUMPS, THE TOTAL NUMBER OF LOADS HAULED FROM EACH ROUTE TO EACH DUMP FOR 51 WEEKS ENDING DECEMBER 17, 1910.—*Concluded.*

Route.	Wentworth.	Putnam.	Somerville.	Sagamore.	South Main, McQueston.	Boutwell.	North Union, Willey's Ledge.	South Main, Smalley's.	Mast, Hoyt's.	Granite.	Bodwell.	City Yard.	Maxwell.
45		57				73					57		
46		8											100
47			263										
48			306										
49			218										
51			316										
52			363										
53			245										
	7,083	4,181	1,880	3	109	73	244	137	100	44	57	24	100

	Loads.
Wentworth	7,083
Putnam	4,181
Somerville	1,880
Sagamore	3
South Main, McQueston	109
Boutwell	73
North Union, Wiley's Ledge	244
South Main, Mr. Smalley's	137
Mast, Mr. Hoyt's	100
Granite	44
Bodwell	57
City Yard	24
Maxwell	100
Total	14,035

Average number of cubic yards collected and hauled to dumps, per week, 1,000.99; per day, 166.83.
Average number of loads collected and hauled to dumps, per week, 275.19; per day, 45.86.

Average cost per cubic yard collecting and hauling to dumps	$0.422
Average cost per cubic yard caring for dumps	.044
Average cost per cubic yard collecting, hauling to and caring for dumps	$0.466

STREET SWEEPING.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Freight	Boston & Maine R. R.	$0.83		$10,000.00	Common council	Street sweeping
	H. Thompson	1.50				
			$2.33			
Payroll	Division No. 2	$5,511.57				
	10	2,203.41				
			7,714.98			
Repairs to equipment	H. Thompson		96.00			
Supplies	J. B. Varick Co.		1.74			
Uniforms	Wm. Marcotte Co.	$2.75				
	John B. Varick Co.	89.22				
			91.97			
Washing uniforms	Mrs. H. W. Poirier		42.75			
			$7,949.77	$10,000.00		
Balance	Common council		2,950.23			
			$10,000.00	$10,000.00		

STREET SWEEPING.

(Hand-sweeping with pick-up carts.)

Route No. 1.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Elm:			
Orange s. s. to Pearl s. s.	1,096		1,367
Pearl s. s. to Bridge n. s.	954		1,131
Bridge n. s. to Bridge s. s.	600		
Bridge:			
Elm e. s. to Church w. s.		533	
	2,650	533	2,498

Total square yards, 5,681.

Number of days swept, 186.11.
Cost of labor per square yard, per season, $0.0575.
Cost of labor per square yard, per day, $0.0003091.

Route No. 2.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Elm:			
Bridge s. s. to Lowell s. s.	3,311		
Lowell s. s. to Concord s. s.	2,448		42
	5,759	0	42

Total square yards, 5,801.

Number of days swept, 168.55.
Cost of labor per square yard, per season, $0.0508.
Cost of labor per square yard, per day, $0.000301.

ROUTE NO. 3.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Elm:			
Concord s. s. to Amherst s. s.	2,622		
Amherst s. s. to Stark n. s.	472		
Concord:			
Elm e. s. to Vine e. s.			716
Elm e. s. to Vine e. s.	67		
Vine:			
Concord s. s. to Amherst s. s.			1,615
Amherst:			
Elm e. s. to Vine e. s.			782
Nutfield lane:			
Amherst s. s. to Hanover n. s.			425
	3,161	0	3,538

Total square yards, 6,699.
Number of days swept, 183.55.
Cost of labor per square yard, per season, $0.0479.
Cost of labor per square yard, per day, $0.00026.

ROUTE NO. 4.

	Wood paving blocks, cement joints.	Wood paving block.	Tar concrete.
Elm:			
Stark n. s. to Hanover s. s.	1,999		
Stark n. s. to Hanover s. s.			53
Hanover s. s. to Market s. s.	435		
Market:			
Elm w. s. to Franklin w. s.		1,020	
Hanover:			
Elm e. s. to Chestnut w. s.			1,564
Elm e. s. to Chestnut w. s.	367		
Chestnut e. s. to Pine w. s.	207		
Chestnut e. s. to Pine w. s.			827
	3,008	1,020	2,444

Total square yards, 6,472.
Number of days swept, 187.66.
Cost of labor per square yard, per season, $0.05044.
Cost of labor per square yard, per day, $0.000268.

ROUTE NO. 5.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Elm:			
Market s. s. to Manchester s. s.....	1,658		
Manchester:			
Elm e. s. to Chestnut w. s.....			1,073
Elm e. s. to Chestnut w. s.....	858		
Elm:			
Manchester s. s. to Merrimack s. s...	2,342		
Manchester s. s. to Merrimack s. s...			106
	4,858	0	1,179

Total square yards, 6,037.

Number of days swept, 184.55.

Cost of labor per square yard, per season, $0.0535.

Cost of labor per square yard, per day, $0.000289.

ROUTE NO. 6.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Elm:			
Merrimack n. s., 25′ n. Central n. s...	3,222		
Central:			
Elm e. s. to Chestnut w. s.....	864		
Elm e. s. to Chestnut w. s.....			1,052
West Merrimack:			
Elm w. s. to Franklin w. s.....			1,052
Elm w. s. to Franklin w. s.....	66		
	4,152	0	2,104

Total square yards, 6,256.

Number of days swept, 190.55.

Cost of labor per square yard, per season, $0.0533.

Cost of labor per square yard, per day, $0.000279.

ROUTE NO. 7.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Elm:			
25′ n. of Central n. s. to 85′ s. of Lake avenue s. s.	3,538		
Lake avenue:			
Elm e. s. to Chestnut w. s.			1,096
Elm e. s. to Chestnut w. s.	851		
Depot:			
Elm w. s. to Hampshire lane e. s.		370	
	4,389	370	1,096

Total square yards, 5,855.

Number of days swept, 177.88.
Cost of labor per square yard, per season, $0.05316.
Cost of labor per square yard, per day, $0.000298.

ROUTE NO. 8.

	Granite paving blocks, cement joints.
Elm:	
Auburn s. s. to Cedar s. s.	2,146
Cedar s. s. to Spruce s. s.	2,146
Spruce s. s. to 85′ south of Lake avenue s. s.	1,469
	5,761

Total square yards, 5,761.

Number of days swept, 176.55.
Cost of labor per square yard, per season, $0.04363.
Cost of labor per square yard, per day, $0.000247.

ROUTE NO. 9.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Merrimack:			
Elm e. s. to Chestnut w. s.....			2,153
Chestnut:			
Merrimack s. s. to Manchester s. s....			1,084
Manchester s. s. to Hanover s. s.....			956
Manchester s. s. to Hanover s. s.....	42		
Hanover s. s. to Amherst s. s.....			951
Amherst s. s. to Concord s. s.....			978
Concord s. s. to Lowell s. s.....			915
Concord s. s. to Lowell s. s.....		167	
	42	167	7,037

Total square yards, 7,246.

Number of days swept, 179.55.

Cost of labor per square yard, per season, $0.04336.

Cost of labor per square yard, per day, $0.000241.

ROUTE NO. 15.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Granite:			
H. & D. s. t. to B. & M. track.....	1,042		
B. & M. track to M. mill gate.....	1,822		
M. mill gate to e. end bridge.....		1,458	
	2,864	1,458	0

Total square yards, 4,322.

Number of days swept, 189.55.

Cost of labor per square yard, per season, $0.07675.

Cost of labor per square yard, per day, $0.0004040.

SUMMARY OF ROUTES 1, 2, 3, 4, 5, 6, 7, 8, 9 and 15.

Total number of square yards swept daily, 60,130.
Average number of days swept (by 10 men), 182.45.
Total cost, $3,197.10.
Total loads swept, taken up and removed, 8,083.
Total cubic yards swept, taken up and removed, 1,313.92.
Cost of labor per square yard, per season, $0.0528.
Cost of labor per square yard, per day, $0.00028.
Loads per square yard, per season, .13353.
Loads per square yard, per day, .00073.
Cubic yards per square yard, per season, .0217.
Cubic yards per square yard, per day, .000118.

(Hand-swept, picked up by scavenger teams.)

ROUTE No. 11.

	Granite paving blocks, sand joints.	Tar concrete.
Hampshire lane:		
W. Merrimack n. s. to Market s. s....	596	149
Market n. s. to Stark s. s.....		331
Stark n. s. to Mechanic s. s.....	298	
Mechanic s. s. to Water s. s.....	224	
Nutfield lane:		
Concord n. s. to Lowell s. s.....	425	
Church:		
Lowell n. s. to Bridge s. s.....	720	
Washington:		
Elm e. s. to Church w. s.....	520	
North Church:		
Bridge n. s. to Pearl s. b. n. s.....	218	
	3,001	480

Total square yards, 3,481.

Number of days swept, 175.
Cost of labor, per square yard, per season, $0.0879.
Cost of labor per square yard, per day, $0.000502.

ROUTE No. 12.

	Granite paving blocks, sand joints.	Tar concrete.
Monadnock lane:		
Nutfield lane e. s. to Pine w. s.....	1,182	
Nutfield lane:		
Monadnock lane s. s. to Manchester s. s.	187	
Manchester e. s. to Hanover s. s.....	347	
Londonderry lane:		
Nutfield lane e. s. to Chestnut w. s....	700	
Derryfield lane:		
Nutfield lane e. s. to Chestnut w. s....	200	
Nutfield lane:		
Amherst n. s. to Concord s. s.....	467	
	3,083	

Total square yards, 3,083.

Number of days swept, 180.55.
Cost of labor per square yard, per season, $0.0881.
Cost of labor per square yard, per day, $0.000487.

(Hand-swept with pick-up carts, record of loads not kept.)

ROUTE No. 16.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Granite:			
Granite bridge	2,098		
Turner w. s. to S. Main e. s.....			3,811
Bridge west end to Turner w. s.....		667	
	2,098	667	3,811

Total square yards, 6,576.

Number of days swept, 178.
Cost of labor per square yard, per season, $0.0473.
Cost of labor per square yard, per day, $0.000265.

ROUTE No. 17.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
South Main:			
Granite n. s. to School n. s.....			1,000
School n. s. to Ferry n. s.....			955
Ferry n. s. to Walker n. s.....			935
Walker n. s. to M. & N. W. R. R.....			800
M. & N. W. R. R. to s. s. bridge.....		1,227	
S. s. bridge to Log s. s., Hassam pavement	1,070		
Mast:			
South Main w. s. to 150′ west, Hassam pavement	566		
	1,636	1,227	3,690

Total square yards, 6,553.

Number of days swept, 177.66.
Cost of labor per square yard, per season, $0.0474.
Cost of labor per square yard, per day, $0.000267.

ROUTE No. 18.

	Granite paving blocks, cement joints.	Granite paving blocks, sand joints.	Tar concrete.
Main:			
Putnam n. s. to Wayne n. s.....			2,138
Wayne n. s. to Marion n. s.....		249	938
Marion n. s. to Amory s. s.....		262	222
Marion:			
Main e. s. to McGregor w. s.....	212		1,045
Notre Dame avenue:			
Wayne n. c. to Amory s. c.....	333		1,400
	545	511	5,644

Total square yards, 6,700.

Number of days swept, 168.
Cost of labor per square yard, per season, $0.0438.
Cost of labor per square yard, per day, $0.0002607.

SUMMARY OF ROUTES 11, 12, 16, 17 and 18.

Total number of square yards swept daily, 26,893.
Average number of days swept (by 5 men), 175.84.
Total cost, $1,538.00.
Cost of labor per square yard, per season, $0.0571.
Cost of labor per square yard, per day, $0.00032.

BRIDGES.

Location.	Nature of Work.	Total.
Amoskeag bridge	Taking off wind break and miscellaneous repairs	$21.56
Elm street, over M. & L. R. R.	Repairs	125.56
Front street, over Black brook	Repairs	7.60
Granite	Taking off and putting on wind break	19.29
Granite street, over B. & M. R. R.	Repairs	32.72
Hospital avenue, over Cemetery brook	Repairs	4.38
Harvell street culvert	Repairs	13.50
Island Pond road	Repairs	30.50
McGregor bridge	Repairs	4.39
River road culverts	Repairs	3.98
Miscellaneous work		52.11
		$315.79

BRIDGES.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Car service	Boston & Maine R. R.	.....	$1.00	$8,000.00	Common council	Bridges
Coal tar	People's Gas-light Co.	.....	3.50			
Freight	Boston & Maine R. R.	.....	254.11			
Lumber	Batchelder-Worcester Co.	$564.90				
	James F. Cavanaugh	581.67				
	Dodge & Barnard	619.08				
	West Side Lumber Co.	18.13				
			1,783.78			
Payroll	Division No. 2	$215.01				
	5	11.11				
	7	34.00				
	9	21.74				
	10	67.99				
			349.85			
Supplies	John B. Varick Co.	.....	17.64			
			$2,409.88	$8,000.00		
Balance	Common council		5,590.12			
			$8,000.00	$8,000.00		

CITY TEAMS.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Coal	L. B. Bodwell & Co.	.....	$336.87	$120.00	H. M. Poirier	Rent
Disinfectant	Winchester Tar Dis. Co.	.....	35.00	259.90	G. H. Wilson & Co.	Apples
Fertilizer	H. B. Fairbanks	$193.80		12,000.00	Common council	City teams
	J. B. Varick Co.	60.74				
			254.54			
Freight	Boston & Maine R. R.	.....	11.42			
Grain and hay	Arthur S. Brown	$3,001.28				
	Rt. Rev. G. A. Guertin	50.00				
	John A. Hanson	14.75				
	F. H. Masse & Co.	908.42				
	McQuesten & Lewis	647.13				
			4,621.58			
Harness repairs	Oliver Comire	$26.25				
	Wm. L. Comire	185.65				
	Joseph Vogel & Co.	32.25				
			244.15			
Horses and mules	Cavanaugh Bros.	.....	862.46			
Insurance	Everett & Bunton	.....	20.00			
Lights	M. T. L. & P. Co.	$58.49				
	People's Gas-light Co.	211.64				
	J. B. Varick Co.	32.89				
			303.02			
New equipment	Frank T. Moore	$135.00				
	Ranno Saddlery Co.	105.00				
			240.00			
Oil	Standard Oil Co.	$3.38				
	Arthur A. Warren	46.25				
			49.63			
Payroll	Division No. 2	$8,295.07				
	10	701.03				
			8,996.10			
Pigs	Mrs. W. H. Bickford	.....	86.40			
Rent of city farm	Committee on City Farm	.....	1,020.00			

Repairs on wagons...	The S. P. Dodge Co.....	.....	76.57			
Spraying trees.....	David F. Cronin.....	.....	33.86			
Supplies	Batchelder & Worcester....	$1.00				
	Burke Bros.....	1.56				
	A. L. Dyer.....	1.00				
	The Head & Dowst Co.....	33.79				
	Jere Hodge	.96				
	Hubbard Sash & Blind Co..	10.05				
	Frank W. Leeman.....	7.05				
	McKelvie Bros.	24.80				
	Henry W. Parker.....	18.09				
	Pike & Heald Co.....	25.31				
	Ranno Saddlery Co.....	4.85				
	Red-Top Cigar Co.....	9.00				
	J. B. Varick Co.....	617.72				
	West Side Lumber Co.....	127.88				
			883.06			
Tools	J. B. Varick Co.....	.....	374.93			
Veterinary services and medicine.....	Ame & Co.....	$15.00				
	Dr. J. L. Golden.....	70.00				
	F. K. Hubbard.....	18.00				
	A. J. Precourt.....	1.00				
			104.00			
Water	Water commissioners.....	.....	75.50			
			$18,629.09	$12,379.90		
				6,249.19	Common council.....	Overdraft .....
			$18,629.09	$18,629.09		

REPAIRS OF SEWERS.

Expenditures.				Receipts.			
For	By		Cr.	Dr.		By	For
Brick	W. F. Head & Son		$91.38		$10.85	W. E. Goodwin	Castings
Castings	Concord Foundry & Machine Co.		442.85	$13.10	2.25	J. F. Marchand	
Catch-basin curbing.	Chas. A. Bailey		248.50		$1.75	Jos. L. Bourque	Labor and material.
Cement	Henry W. Parker		510.00		1.13	E. M. Chase	
Freight	Boston & Maine R. R.		12.21		27.48	Victor Janelle	
Labor	Smith & Johnson		12.20		16.10	Richard Kleinard	
Lights	Arthur A. Warren		12.00		7.97	Carl Maiwald	
Payroll	Division No. 2	$2,938.47			1.67	C. F. McDonald	
	7	80.50			192.94	People's Gas-light Co.	
	10	995.76			9.05	Aug. Schneider	
			4,014.73	$258.09			
Supplies	Harold L. Bond Co.	$48.20			$38.26	Adams Bros.	Sewer pipe
	Henry W. Parker	.70			9.00	Albert Burkavis	
	Pike & Heald Co.	.54			1.10	H. F. Hunt	
	The Sessions Foundry Co.	6.67			3.52	James Huse	
	John B. Varick Co.	29.91			6.80	Carl Katschker	
			86.02		19.50	Town of Litchfield, N. H	
Tools	John B. Varick Co.		1.25		2.00	Police department	
					7.88	Stevens & Bradley	
				88.06			
				5,000.00		Common council	Repairs of sewers.
			$5,431.14	$5,359.25			
				71.89		Common council	Overdraft
			$5,431.14	$5,431.14			

NEW SEWERS.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Brick	W. F. Head & Son		$829.82	$40,000.00	Common council	New sewers
Castings	American Locomotive Co.	$11.50		4,467.63	Eastern Clay Goods Co.	Sewer pipe
	Concord Foundry & Machine Co.	1,158.10				
			1,169.60			
Cement	Henry W. Parker Co.		253.73			
Claims	John Fram	$21.00				
	The John B. Hall Co.	7.35				
	F. L. Noyes	1.23				
			29.58			
Explosives	John B. Varick Co.		1,234.88			
Freight	Boston & Maine R. R.		4,422.81			
Insurance	S. B. Stearns		23.66			
Labor	Boston & Maine R. R.	$82.36				
	Hanscom Construction Co.	55.95				
			138.31			
Lights	Standard Oil Co.	$20.94				
	The Texas Co.	48.10				
	John B. Varick Co.	65.75				
	Arthur A. Warren	18.25				
			153.04			
Lumber	B. F. Greer	$520.39				
	West Side Lumber Co.	859.99				
			1,380.38			
New equipment	H. L. Bond Co.	$246.10				
	Carson Trench Mch. Co.	2,135.00				
			2,381.10			
Payroll	Division No. 2	$13,751.98				
	7	4,219.65				
	10	8,088.24				
			$26,059.87			
Repairs to equipment	American Locomotive Co.	$4.00				
	Manchester Machine Works	1.20				
	Pike & Heald Co.	.80				
	Smith & Johnson	6.70				

NEW SEWERS.—*Concluded.*

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Repairs of equipment.	G. F. Wenzel.....	$6.00				
			$18.70			
Sewer pipe	Eastern Clay Goods Co.....	.....	5,765.26			
Supplies	Amoskeag Mfg. Co.....	$1.80				
	Geo. W. Dodge Shoe Co....	45.00				
	Frost Paint & Mfg. Co.....	6.75				
	Good Roads Machinery Co.	37.71				
	Fred F. Osgood.....	2.00				
	Henry W. Parker.....	3.25				
	Pike & Heald Co.....	30.92				
	W. C. Spear.....	.75				
	John B. Varick Co.....	179.10				
			328.28			
Tools	Manchester Hardware Co..	$18.00				
	John B. Varick Co.....	273.99				
			291.99			
			$44,481.01	$44,467.63		
				13.38	Common council	Overdraft .....
			$44,481.01	$44,481.01		

BROWN-TAIL AND GYPSY MOTHS.

Financial Statement.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Abatements	Frank Bond	$0.25		$6,000.00	Common council	Brown-tail and gypsy moth
	Daniel Fitzgerald	4.50		3.73	Manchester W. Wks.	Labor, removing brown-tail moth nests
	James A. Folsom	.77		49.58	Stark Mills	Labor, removing brown-tail moth nests
	G. P. James estate	.72		1,027.23	Tax collector	Brown-tail moth taxes collected for private work
	Henry Leonard	1.55				
	John McDermott	.62				
	Norman C. Smith	.41				
	Mrs. Nettie Towle	3.11				
	Mrs. Parmelia Webster	5.00				
	Rufus Wilkinson	.61				
			$17.54			
Advertising	The John B. Clarke Co.	$12.60				
	The Manchester Union Co.	14.82				
			27.42			
Arsenate of lead	John B. Varick Co.		95.50			
Brown-tail moth contract, district work	Daniel F. Cronin		3,975.00			
Brown-tail moth contract, private work	Daniel F. Cronin		1,843.75			
Freight	Boston & Maine R. R.		7.50			
Labor	Grover Pike		4.78			
District work, labor inspectors	John J. Connolly	$52.50				
	John F. Murphy	112.50				
			165.00			
Private work, inspectors	W. E. Blake	$91.65				
	Harry T. George	146.40				
	B. F. Hughes	76.20				
	F. B. Kimball	110.70				
	George Manning	98.40				
	Peter O'Reilly	104.33				
			627.68			

BROWN-TAIL AND GYPSY MOTHS.—*Concluded.*

Financial Statement.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Oil	Standard Oil Co.	$14.08				
	Standard Oil Co.	27.39				
			41.47			
Payroll	Division No. 2	.....	13.05			
Postage stamps	E. H. Chadbourne, P. M.	.....	10.00			
Printing	The John B. Clarke Co.	$12.50				
	The John B. Clarke Co.	17.50				
			30.00			
Smudge pots	L. W. Howard	.....	23.00			
Supplies	E. H. Chadbourne, P. M.	.....	56.20			
Balance	Common council	.....	142.65			
			$7,080.54	$7,080.54		

ITEMIZED OPERATIONS.

Contract (District) Work.

Work.	Nature of	Materials and contract prices.	Labor.	Total.
Contract, district work, including district work inspectors..	Advertising for proposals	$27.42		
	Highways, parks, commons, schoolyards and city farm	4,140.00		$4,167.42
City work	Smudge pots	$23.00		
	Oil for pots	41.47		
	Putting out and taking in smudge pots		$13.05	77.52
	Arsenate of lead	$95.50		
	Freight	7.50		103.00

Contract (Private) Work.

Private work	Climbers and groundmen	$1,843.75		
	Inspectors		627.68	
Notice to property owners	Printing	17.50		
	Postage	66.20		
	Blank triplicate books	12.50		
	Abatements	17.54		
	Mailing		4.78	$2,589.95
		$6,292.38	$645.51	$6,937.89
Received	Private work account			1,080.54
				$5,857.35

The work of removing the brown-tail moth nests was carried on through the months of January, February, March and part of April, 1910. Proposals were advertised for and the contract was awarded to Daniel F. Cronin of Manchester, N. H., to remove all the brown-tail moth nests from the trees in the public highways throughout the city. The city was divided into districts as follows:

District No. 1 includes that part of Manchester west of the Merrimack river, and south of the Piscataquog river.

District No. 2 lies north of the Piscataquog river, west of the Merrimack river, and south of West Bridge, Amory, Coolidge avenue and Kelley streets.

District No. 3 lies north of District No. 2, west of the Merrimack river, and south of Amoskeag and Front streets and Goffstown road.

District No. 4 lies west of the Merrimack river and includes the remaining part of Manchester north of District No. 3.

District No. 5 lies east of the Merrimack river, north of West Salmon and Salmon streets, Smyth and Kennard roads, and west of the Mammoth road.

District No. 6 lies east of the Mammoth road and north of the Candia road.

District No. 7 lies south of the Candia road and east of the Candia road.

District No. 8 lies west of the Mammoth road, south of the Cilley road and Baker street and east of the Manchester & Lawrence railroad.

District No. 9 lies west of the Manchester & Lawrence railroad, south of Granite street, and east of the Merrimack river.

District No. 10 lies north of Cilley road and Baker street, east of the Manchester & Lawrence Railroad, south of Valley and Massabesic streets, and west of the Mammoth road.

District No. 11 lies north of Valley and Massabesic streets, west of Mammoth road, south of Lake avenue, and east of Canal street.

District No. 12 lies north of Lake avenue, east of Canal and Franklin streets, south of Hanover street, and west of Mammoth road.

District No. 13 lies north of Hanover street, west of Mammoth road, south of Bridge and West Bridge streets, and east of Canal street and east of the Stark and Amoskeag corporations.

District No. 14 lies north of Bridge and West Bridge streets, east of Canal street, south of West Salmon and Sagamore streets, and Smyth and Kennard roads, and west of Mammoth road.

District No. 15 includes all public and parochial school yards.

District No. 16 includes all public parks, commons, and the city farm.

The contract prices were as follows:

District No. 1	$160.00
2	165.00
3	110.00
4	125.00
5	140.00
6	160.00
7	175.00
8	170.00
9	185.00
10	340.00
11	410.00
12	490.00
13	485.00
14	350.00
15	275.00
16	400.00
Total	$4,140.00

The contract further required that the contractor furnish all labor for private work at the following prices:

Climbers.....33⅓ cents per hour
Groundmen.....27⅔ cents per hour

Under this contract a liability policy running to the city of Manchester by its Board of Street and Park Commissioners covering accidents to the amount of $5,000 for any one person and not more than $15,000 for any one accident, was furnished by the contractor. A bond was also furnished to the amount of eighty (80) percent of the contract price guaranteeing the completion of the contract on or before the fifteenth of April, 1910, and to the satisfaction of the Board of Street and Park Commissioners.

Six (6) inspectors were employed on the private work up to and into April, 1910, at a total cost of $627.68; each inspector had two climbers and one groundman under his supervision and to each inspector was given a certain district and all trees within these districts were cleaned.

A memorandum in triplicate was kept, giving the name of the owner of the property upon which said work was done, whenever such could be obtained; the date when the work was done and the location of the property upon which the work was done, also the names of those employed, length of time, rate, and total cost of the job, and remarks. One memorandum was left at the house, if there was such, providing it was occupied by the owner, or sent to the owner in case the property was rented or not built up, the other two copies were turned in to the office of the board, one of which was delivered to the Board of Assessors and the other kept on file.

Before the first of November, 1910, notices were sent to the owner of every piece of property in the city of Manchester, N. H. These notices were sent through the mail and the addresses of the owners were obtained from the Board of Assessors and the tax collector, and it is presumed that every property owner within the limits of the city was reached.

Many gypsy moth and elm leaf beetle infestations were found; the appropriation for brown-tail and gypsy moth does not provide for the extermination of the elm leaf beetle, neither has this city done any gypsy moth work, such work to date having been under the supervision of Col. Thomas H. Dearborn, state agent for suppressing the brown-tail and gypsy moth.

A census of trees was taken throughout the highways, parks, commons, school yards and city farm within the city of Manchester, N. H., by the district work inspectors during the prosecution of the 1910 contract for removing and destroying brown-tail moth nests for the Board of Street and Park Commissioners of the city of Manchester, N. H.

The work was begun January 13, 1910, and finished April 13, 1910.

Following is a table which is a summary of the elm, maple, oak, poplar and other trees in each district. In prosecuting the work of taking the census all trees were located by streets and between streets giving almost their exact location.

SUMMARY.

	Elm.	Maple.	Oak.	Poplar.	Other.	Total.
District No. 1	216	243	16	30	46	551
District No. 2	253	745	2	97	15	1,112
District No. 3	66	52	8	28	57	211
District No. 4	83	31	97	..	9	220
District No. 5	448	1,310	67	120	90	2,035
District No. 6	87	256	161	88	143	735
District No. 7	154	329	109	22	90	704
District No. 8	220	312	208	10	336	1,086
District No. 9	254	101	23	41	49	468
District No. 10	132	409	4	199	18	762
District No. 11	240	583	5	184	5	1,017
District No. 12	735	733	2	18	4	1,492
District No. 13	678	837	3	36	67	1,621
District No. 14	779	1,753	55	98	2	2,687
District No. 15	72	278	9	..	65	424
District No. 16	578	1,284	70	67	6,701	8,700
	4,995	9,256	839	1,038	7,697	23,825
Stark park (trees in groves estimated).					5,500	
	4,995	9,256	839	1,038	13,197	29,325

Spraying 4,995 elm trees (estimated)..... $4,000.00

CITY YARD.

Financial Statement.

Expenditures.			Receipts.		
For	To	Cr.	Dr.	By	For
Payments on real estate.....	Amoskeag Mfg. Co.....	$5,000.00	$6,000.00	Common council.....	City yard .....
Payroll	Division No. 2	78.49			
		$5,078.49	$6,000.00		
Balance	Common council	921.51			
		$6,000.00	$6,000.00		

Itemized Operations.

Repairing fence, cleaning up yard, cutting and burning brush.....	$78.49

CUTTING AND TRIMMING TREES.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Labor	The Head & Dowst Co.		$0.90	$1,000.00	Common council	Cutting and trimming trees.
Payroll	Division No. 2		947.51			
Repairing tools	J. B. McCrillis & Son	$0.30				
	Harry A. Piper	1.15				
			1.45			
Supplies	The Head & Dowst Co.	$3.30				
	Hubbard Sash & Blind Co.	1.04				
	John B. Varick Co.	11.76				
			16.10			
Tools	John B. Varick Co.		9.65			
			$975.61	$1,000.00		
Balance	Common council		24.39			
			$1,000.00	$1,000.00		

ITEMIZED OPERATIONS.

Locations.	Cut Down.	Trimmed.	Labor.	Teams.	Total.
Adams, Appleton southwest corner	...	...	....	....	....
Appleton, No. 49	...	...	....	....	....
Blodget, Union	...	...	....	....	....
Bridge, Nashua	1	...	....	....	....
Bridge, Union	1	...	....	....	....
Oak, Pearl northwest corner	...	...	....	....	....
Pearl, No. 133	...	...	$73.24	$4.90	$78.14
Amherst and Walnut	2	...	16.00	1.00	17.00
Amherst, Union to Beech	...	...	....	....	....
Beech, Amherst to Lowell	...	...	....	....	....
Concord, Chestnut to Union	...	...	....	....	....
Lowell, Beech to Maple	...	...	....	....	....
Union, Amherst to Lowell	...	...	56.26	2.25	58.51
Appleton, No. 62	...	...	....	....	....
Bridge, No. 244	1	...	....	....	....
Bridge, Nashua northwest corner	...	...	....	....	....
Brook, No. 106	1	...	....	....	....
Central, Pine to Union	1	...	....	....	....
Myrtle, Union southeast corner	2	...	72.70	3.68	76.38
Ash, corner Bridge	1	...	2.75	.82	3.57
Ash, Lowell northwest corner	...	2	2.03	.45	2.48
Ash, No. 65	...	...	....	....	....
Elm, Myrtle southerly	...	...	....	....	....
Hanover, Beech easterly	1	...	....	....	....
Lake avenue, No. 291	...	...	....	....	....
Lake avenue and Maple	1	...	....	....	....
Maple, No. 635	...	...	....	....	....
Maple, Merrimack northeast corner	2	...	....	....	....
Myrtle, No. 184	...	...	....	....	....
Myrtle and Walnut	...	...	....	....	....
Spruce, No. 311	...	...	....	....	....
Walnut, near Myrtle	...	...	75.81	8.57	84.38
Ash, Harrison	...	...	5.25	....	5.25
Ash, schoolyard	...	...	14.00	....	14.00
Ash, Bridge northwest corner	...	...	....	....	....
Hanover, No. 453	...	...	....	....	....
Harrison, No. 160	...	...	....	....	....
Prospect, Beech to Walnut	...	...	....	....	....
Prospect, corner Walnut	...	...	....	....	....
Prospect, Beech westerly	...	...	....	....	....
Prospect, Russell northeast corner	...	...	....	....	....
Russell, No. 97	...	...	....	....	....
Walnut, Prospect to Harrison	...	...	39.00	....	39.00
Arlington, No. 16	...	1	8.00	.50	8.50
Arlington, Russell to Nashua	...	...	23.47	....	....
Elm, Orange to Myrtle	...	...	....	3.06	26.53
Beech, No. 567	1	...	2.41	....	2.41
Beech, Laurel to Merrimack	1	...	19.30	4.50	23.80
Beech, Lake avenue northeast corner	2	...	3.50	1.80	5.30
Beech, Lake avenue northeast corner	5	...	8.75	4.50	13.25
Beech, corner Central	5	...	....	....	....
Beech, No. 727	...	...	....	....	....
Beech, No. 586	...	...	....	....	....
Central, No. 360	...	...	....	....	....
Hanover and Lincoln	...	...	....	....	....
Myrtle and Union	2	...	....	....	....
Union, Lowell to Concord	4	2	....	....	....
Union, No. 587	...	3	....	....	....
Union, No. 642	...	....	79.45	8.57	88.02
Blodget, Elm to Chestnut	...	...	....	....	....
Chestnut, Harrison to Blodget	...	...	....	....	...
Elm, Brook to Pennacook	...	...	....	....	....
Elm, Myrtle to Brook	...	...	....	....	....
Pine, Prospect south	...	...	....	....	....
Prospect, Pine to Elm	...	...	31.00	....	31.00

ITEMIZED OPERATIONS.—*Continued.*

Locations.	Cut Down.	Trimmed.	Labor.	Teams.	Total.
Blodget, Union	...	...	....	....	....
Bridge, Pine	...	...	....	....	....
Hall, corner Manchester	...	...	....	....	....
Lowell, Walnut	...	...	....	....	....
Orange, Pine	...	...	$6.00	$1.85	$7.85
Bridge, corner Pine	...	...	4.22	.30	4.52
Bridge, Maple southwest corner	...	...	4.82	....	4.82
Brook, Elm to Chestnut	...	...	....	....	....
Chestnut, Prospect to Harrison	...	...	....	....	....
Chestnut, Brook to Harrison	...	...	....	....	....
Concord, Beech westerly	...	...	....	....	....
Elm, Bridge southerly	...	...	....	....	....
Elm, Harrison to Brook	...	...	....	....	....
Harrison, Elm to Chestnut	...	...	....	....	....
Harrison, Chestnut to Pine	...	...	....	....	....
Myrtle, Elm to Chestnut	...	...	....	....	....
Prospect, Elm to Chestnut	...	...	....	....	....
Prospect, No. 86	...	...	....	....	....
Sagamore, No. 136	...	...	....	....	....
Walnut, Concord to Bridge	...	...	62.98	4.01	66.99
Brown avenue (at Mr. Baker's)	1	...	24.55	6.75	31.30
Buzzell, corner High	...	1	1.00	.20	1.20
Central, No. 269	1	...	1.53	.21	1.74
Central, between Beech and Union	1	...	2.42	....	2.42
Central, Union northeast corner	...	...	5.25	....	5.25
Chestnut, east side, Bridge north	1	...	12.38	1.52	13.90
Chestnut, west side, Bridge north	1	...	8.22	1.22	9.44
Chestnut, west side, Bridge northerly	3	...	32.10	9.00	41.10
Chestnut, Concord to Myrtle	...	...	....	....	....
Concord, Pine southwest	3	...	....	....	....
Elm, Winter Place	1	...	....	....	....
Harrison, Lincoln southeast corner	...	...	....	....	....
Linden, Prospect northwest corner	...	...	....	....	....
Pine, Myrtle to Concord	...	...	65.58	3.68	69.26
Concord, Pine east	...	...	25.76	11.25	37.01
Concord, No. 289	...	3	.88	....	.88
Concord and Walnut	3	...	24.00	1.50	25.50
Concord, Union to Walnut	...	1	....	....	....
Elm, Washington south	...	1	....	....	....
High, Chestnut to Pine	...	1	....	....	....
Laurel south back, Union southeast corner	...	1	4.77	.61	5.38
Elm (C. A. Bailey's)	2	...	3.50	....	3.50
Elm, Prospect and Harrison	1	...	7.52	.77	8.29
Franklin, West Merrimack northeast cor.	1	...	3.43	.30	3.73
Granite street (McKean's)	2	...	61.83	....	61.83
Granite	1	...	53.75	....	53.75
Hall, corner Harrison	...	1	1.00	.20	1.20
Hanover (J. W. Hill's)	1	...	1.54	.20	1.74
Hanover, Chestnut to Maple	...	...	....	....	....
Hanover, Maple to Lincoln	...	...	10.50	....	10.50
Harrison, Walnut northeast corner	6	...	10.50	5.40	15.90
Harrison, No. 91	...	...	3.67	....	3.67
Harrison, Walnut southwest corner	...	...	1.84	.30	2.14
Laurel, Pine to Union	1	...	7.00	2.00	9.00
Laurel, Maple southwest corner	2	...	3.50	1.80	5.30
Lowell (Calumet club)	1	...	3.70	....	3.70
Manchester, Maple southwest corner	1	...	2.42	....	2.42
Maple and Merrimack	1	...	7.50	2.25	9.75
Mechanic (Derryfield club)	1	...	1.75	....	1.75
Merrimack, Union to Beech	1	3	14.21	....	14.21
Merrimack, Pine southeast corner	3	...	22.11	.48	22.59
Merrimack, No. 390	...	...	2.70	.40	3.10
Merrimack, No. 499	1	...	1.98	.35	2.33
Orange, between Ash and Maple	1	...	1.52	.20	1.72
Orange, No. 48	1	...	8.93	.30	9.23

ITEMIZED OPERATIONS.—*Continued.*

Locations.	Cut Down.	Trimmed.	Labor.	Teams.	Total.
Myrtle, corner Maple	1	...	$1.52	$0.20	$1.72
Pearl, No. 120	...	...	2.70	.50	3.20
Pine, Laurel to Merrimack	1	...	7.37	.13	7.50
Prospect and Union northwest corner	...	...	.87	....	.87
Prospect, Walnut southeast corner	...	...	.88	....	.88
Prospect, Walnut southeast corner	...	4	1.39	.30	1.69
Third, south of Ferry	1	...	1.75	....	1.75
Union, Lowell and Seneca lane	1	...	8.00	.50	8.50
Walnut, No. 39	...	...	2.70	.50	3.20

CARE OF COMMONS.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Fertilizer	H. B. Fairbanks		$79.80	$4,500.00	Common council	Care of commons
Flowers	F. J. Bixby		182.90			
Freight	Boston & Maine R. R.		7.20			
Insurance	William G. Berry		5.00			
Labor	The Head & Dowst Co.		3.00			
Lights	M. T. L. & P. Co.		67.32			
Lumber	The Head & Dowst Co.	$3.24				
	The J. H. Mendell Co.	20.57				
	West Side Lumber Co.	18.40				
			42.21			
Payroll	Commons		1,930.24			
Salary of superintendent	John Seastrom		810.00			
Spraying trees	Daniel F. Cronin		526.38			
Supplies	Pike & Heald Co.	$9.55				
	G. W. Spaulding	2.80				
	John B. Varick Co.	48.75				
			61.10			
Tools	John B. Varick Co.		2.71			
Water	Water commissioners		708.69			
			$4,426.55	$4,500.00		
Balance	Common council		73.45			
			$4,500.00	$4,500.00		

ITEMIZED OPERATIONS.

Work.	Nature of		Cost.
Band stands	Erecting new	$5.25	
	Erecting and taking down	22.64	
	Repairing	18.78	
	Taking care of	4.71	
			$51.38
Cesspools	Cleaning	$16.17	
	Laying new cesspool pipe	5.39	
	Washing out cesspool pipe	5.39	
			26.95
Flower beds	Cleaning	$14.42	
	Cleaning and spading	5.39	
	New fences	5.39	
	Repairing fences	9.90	
	Planting seeds	9.17	
	Preparing	16.45	
	Removing brush	3.64	
	Watering	14.42	
			78.78
Fountains	Cleaning	$7.14	
	Covering	14.42	
	Painting and cleaning	8.75	
	Repairing	5.39	
	Uncovering	9.03	
			44.73
Harnesses	Cleaning	.....	3.78
Lawns	Cleaning	$50.54	
	Cutting and trimming trees	19.67	
	Cutting grass	256.83	
	Drawing loam	92.05	
	Grading around walks	23.31	
	Picking paper	293.25	
	Raking leaves	157.20	
	Raking leaves and cutting dead trees	17.78	
	Removing stumps	10.50	
	Seeding and grading	29.43	
	Topdressing	11.34	
			961.90
Lawn mower	Cleaning and sharpening	.....	9.17
Lincoln statue	Grading and turfing	.....	7.87
Seats	Painting	$61.32	
	Putting out	34.37	
	Taking in	25.20	
			120.89
Skating rinks	.....	.....	85.71
Smudge pots (B.T.M.)	Putting out	$12.53	
	Taking in	.94	
			13.47
Swings	Putting up	.....	5.39
Teaming	Drawing bedding	.....	3.64
Trees	Cutting (dead trees)	$17.78	
	Setting out	3.64	
	Trimming	118.97	
			140.39
Walks	Cleaning snow and ice	$192.39	
	Sweeping	180.95	
			373.34
			$1,927.39

STARK PARK.

Financial Statement.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Flowers	J. F. Bixby		$75.08	$2,000.00	Common council	Stark park
Freight	Boston & Maine R. R.		2.00			
Payroll	Commons		822.77			
Spraying trees	Daniel F. Cronin		33.96			
Steel fence	Steel Protected Concrete Co.		62.40			
Supplies	Pike & Heald Co.	$1.75				
	John B. Varick Co.	8.81				
			10.56			
Tools	John B. Varick Co.		4.00			
Water	Water commissioners		12.00			
			$1,022.77	$2,000.00		
Balance	Common council		977.23			
			$2,000.00	$2,000.00		

ITEMIZED OPERATIONS.

Work.	Nature of	Materials.	Labor.	Total.
Burying ground.....	Removing, painting and replacing flagpole for Louis Bell post, G. A. R.....	.....	$10.50	
	Repairing fence	.....	3.78	
	Resetting stones	.....	1.89	
				$16.17
	Steel corners for curb around monument	$62.40		
	Freight on steel.....	2.00		
				64.40
Drinking fountain....	.....	$12.00		
	.....	1.75		
				13.75
Flower beds.....	Manuring	.....	$3.50	
	Planting	.....	5.53	
	Watering	.....	5.25	
	Weeding	.....	9.62	
	Picking	.....	10.50	
	Planting tulips	.....	3.64	
				38.04
	Flowers and plants.....	$75.08		75.08
Haying	Bedding	.....	$68.18	
	Cutting	.....	107.76	
	Hay	.....	14.27	
				190.21
Lawns	Hauling manure, ashes, top-dressing, etc.....	.....	$14.56	
	Hauling loam	.....	35.98	
	Hired teams	.....	11.25	
	Labor	.....	44.07	
				105.86
Patrolling	.....	.....	$24.50	24.50
Roadways	Cleaning gutters	.....	$203.05	
	Repairing	.....	21.28	
				$224.33
Seats and swings....	Setting up seats.....	.....	$5.39	
	Repairing seats	.....	5.67	
	Painting swings.....	.....	7.14	
				18.20
	Supplies	$8.81	.....	$8.81
Shrub beds.....	Tools	$4.00	.....	$4.00
	Removing manure	.....	$18.06	
	Hoeing	.....	9.62	
	Cleaning	.....	41.12	
	Manuring	.....	17.92	
	Digging around beds.....	.....	18.20	
	Trimming shrubs and drawing brush	.....	23.62	
				$128.54
Trees	Spraying	$33.96	.....	33.96
	Trimming and removing brush	.....	$55.93	
	Picking up brush.....	.....	9.62	
	Raking leaves.....	.....	2.62	
				68.17
Walks	Cleaning	.....	$8.75	8.75
				$1,022.77

DERRYFIELD PARK.

Expenditures.			Receipts.		
For	To	Cr.	Dr.	By	For
					Derryfield park.....
Fertilizer	John B. Varick Co.....	$47.50	$1,000.00	Common council.....	Rent of field glasses....
Flowers	F. J. Bixby	38.10	15.50	John Seastrom	
Insurance	John A. Sheehan.....	6.00			
Payroll	Commons	788.74			
Spraying trees.....	Daniel F. Cronin.....	54.73			
Supplies	John B. Varick Co.....	36.04			
Water	Water commissioners	27.00			
		$998.11	$1,015.50		
Balance	Common council.....	17.39			
		$1,015.50	$1,015.50		

ITEMIZED OPERATIONS.

Work.	Nature of		Teams.	Labor.
Apples	Picking	.....	.....	$5.39
Barn	Painting	.....	.....	18.62
Bedding	Cutting	.....	.....	18.06
Benches	Repairing	.....	.....	5.39
Bridges	Rebuilding	.....	.....	3.64
Flower beds	Preparing	.....	.....	5.39
Gutters	Cleaning	$55.58		
	Cleaning gutters and cutting grass	16.59		
				72.17
Haying	Labor	.....	.....	55.51
	Hired teams	.....	$45.00	
Lawn	Cutting grass	.....	.....	76.51
Roadway	Repairing	.....	.....	74.55
Shrub beds	Cleaning	$23.73		
	Topdressing	10.64		
	Trimming shrubs	10.39		
	Trimming shrubs and fixing road	11.34		
				56.10
Swings	Putting in	.....	.....	3.50
Teaming	Drawing logs to mill	$22.68		
	Drawing plank to yard	15.12		
	Drawing gravel and repairing roadway	14.87		
				52.67
Tower	Watching	.....	.....	36.75
Trees	Cutting (dead trees)	$72.52		
	Trimming	21.70		
	Cutting and drawing logs	38.01		
	Trimming and removing brush	97.78		
				230.01
Vaults	Cleaning	.....	.....	5.25
Walks	Cleaning	$20.37		
	Topdressing	21.84		
				42.21
			$45.00	$761.72

LAFAYETTE PARK.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Castings	Concord Foundry & Machine Co.		$44.00	$7,000.00	Common council	Lafayette park
Cement	Henry W. Parker Co.		336.17			
Contract for walks, walks, fence and steps	Hanscom Construction Co.		3,685.52			
Freight	Boston & Maine R. R.		.67			
Labor	Brodie Elec. & Auto Co.	$1.50				
	Peter Groux	131.10				
	M. T. L. & P. Co.	.50				
			133.10			
Lights	Standard Oil Co.	$3.95				
	The Texas Co.	4.40				
			8.35			
Lumber	West Side Lumber Co.		301.26			
Payroll	Division No. 2	$40.69				
	10	2,947.13				
			2,987.82			
Supplies	Samuel Cabot, Inc.	$27.32				
	M. T. L. & P. Co.	1.50				
	William H. Perry Co.	9.28				
	Pike & Heald Co.	6.37				
	John B. Varick Co.	243.88				
			288.35			
Tools	John B. Varick Co.		1.18			
			$7,786.42	$7,000.00		
				786.42	Common council	Overdraft
			$7,786.42	$7,786.42		

ITEMIZED OPERATIONS.

Work.	Labor.	Teams.	Total.
Building drains and laying pipe	$367.22	$76.50	$443.72
Digging ditch for wall	29.74	.....	29.74
Grading with ashes and topdressing	1,170.44	708.25	1,878.69
Hauling supplies	113.11	57.40	170.51
Miscellaneous work	165.68	.....	165.68
Running mixer	217.53	81.97	299.50
	$2,063.70	$924.12	$2,987.82

MISCELLANEOUS PLAYGROUNDS.

Financial Statement.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Freight	Boston & Maine R. R.	.....	$0.70	$300.00	Common council	Miscellaneous playgrounds.
Handball court*	Robie Con. Concrete Co.	.....	110.00			
Labor	M. T. L. & P. Co.	$8.88				
	West Side Lumber Co.	1.50				
			10.38			
Lumber	The J. H. Mendell Co.	$10.40				
	West Side Lumber Co.	22.05				
			32.45			
Payroll	Commons	$23.03				
	Division No. 2	146.96				
			169.99			
Playground apparatus	Narragansett Machine Co.	$60.00				
	John B. Varick Co.	24.00				
			84.00			
Rent of playground.	Amoskeag Mfg. Co.	.....	1.00			
Supplies	M. T. L. & P. Co.	$14.00				
	Nelson's 5 & 10c store	1.80				
	John B. Varick Co.	23.12				
			38.92			
Water	Water commissioners	.....	29.07	176.51	Common council	Overdraft
			$476.51	$476.51		

*See Engineer's Department report, Table No. 6.

ITEMIZED OPERATIONS.

Work.	Nature of	Materials.	Labor.	Team.	Total cost.
Barry playground	North handball, court building	.....	$29.68	$0.61	$30.29
	Leveling	.....	2.94	2.25	5.19
	Four 30′ chestnut poles	$14.00	.....	.....	.....
	Edging poles	1.50	.....	.....	.....
	Erecting poles	8.88	.....	.....	.....
	2,280 ft. b. m. spruce plank	57.00	.....	.....	.....
	Tar concrete floor	83.33	.....	.....	.....
	Spikes and bolts	2.45	.....	.....	167.16
	South handball court, repairing	.....	4.76	.....	4.76
	Extending tar concrete floor	26.67	.....	.....	26.67
	Baseball grounds (cutting diamond)	.....	8.89	.....	8.89
	Rent of playground	1.00	.....	.....	1.00
Canal-street playground	Back stop repairs	.....	1.75	.....	1.75
Concord common	Children's playground (sand pile boxes)	.....	77.48	9.63	86.11
	Lumber	32.45	.....	.....	.....
	Shovels and pails	1.80	.....	.....	.....
	Rope and supplies	17.07	.....	.....	.....
	Sliding board	60.00	.....	.....	.....
	Freight	.70	.....	.....	.....
	Lawn swings	24.00	.....	.....	136.02
Merrimack common	Erecting and taking down grand stand (Col. Roosevelt's visit)	.....	6.10	.....	6.10
North End playground	Back stop repairs	.....	1.75	.....	1.75
Wilson-street playground	Back stop (erecting)	.....	3.50	.....	3.50
	Wire netting and lumber	3.60	.....	.....	3.60
		$334.45	$136.85	$12.49	$483.79

PLAYGROUND IN WARD 8.

Financial Statement.

Expenditures.				Receipts.		
For	To		Cr.	Dr.	By	For
Handball court*	Robie Con. Concrete Co.		$72.83	$100.00	Common council	Playground in Ward 8
Labor	West Side Lumber Co.		5.00			
Payroll	Division No. 2		31.19			
Supplies	M. T. L. & P. Co.	$24.50				
	John B. Varick Co.	1.28				
			25.78			
			$134.80	$100.00		
				34.80	Common council	Overdraft
			$134.80	$134.80		

*See Engineer's Department report, Table No. 6.

ITEMIZED OPERATIONS.

Work.	Nature of	Materials.	Labor.	Team.	Total cost.
Handball court	Erecting	.....	$22.67	$3.37	$30.04
	2,016 feet b. m. spruce plank	$50.40	.....	.....	50.40
	Concrete court	72.83	.....	.....	72.83
	Seven 30′ chest poles	24.50	.....	.....	24.50
	Edging 7 poles	5.00	.....	.....	5.00
	Woven wire for top of wall	1.28	.....	.....	1.28
	Benches	.....	1.15	.....	1.15
					$185.20

Walls 21 feet high; back wall 32′ wide; wing walls each 7.2′ long; floor, tar concrete.

REPORT OF THE CITY SOLICITOR.

REPORT OF THE CITY SOLICITOR.

To the City Councils:

I beg to submit my report as solicitor for the city of Manchester for the year of 1910.

Lord vs. Manchester, and Mendall vs. Manchester, to which I referred in my report for the year of 1909: the former has been satisfactorily adjusted, the latter is still pending, and will be finally disposed of at the present term of the superior court. Of the actions now pending against the city of Manchester, the case of Harrington vs. Manchester is by far the most important.

This was an appeal from an award made by the board of mayor and aldermen in laying out Grove street as a new highway; the matter was referred to the county commissioners and a hearing was held on the seventeenth day of August, 1910; the report of the commissioners sustained the findings of the board of mayor and aldermen; whereupon an appeal was taken by the plaintiffs, and the case is now pending in the superior court. However, an effort is being made by counsel for both parties whereby an agreement may be reached and the case transferred to the supreme court on questions of law.

I am quite confident that the outcome of this case will be favorable to the city of Manchester, and if favorable to our city, will be far-reaching in its effect throughout the state, and will result in eliminating future attempts on the part of corporations and individuals from claiming land dedicated to the public use for streets and highways.

I would strongly urge upon the heads of the various departments of the city of Manchester the necessity of promptly advising the solicitor of accidents happening to employees of said city, or other causes from which legal complications may arise, within their respective departments, so that the solicitor may be better able to meet the exigencies which present themselves.

Respectfully submitted,

JOHN T. NIXON,

City Solicitor.

REPORT OF THE CITY PHYSICIAN.

REPORT OF THE CITY PHYSICIAN.

To His Honor the Mayor and City Councils of the City of Manchester:

GENTLEMEN:—I submit the following as my report as city physician for the year 1910:

Number of patients treated (not including those at the Isolation hospital, police station, or for the board of health, or for the street and park commission) was twenty-nine, their distribution as to wards being as follows:

Ward 1	2
Ward 2	2
Ward 3	2
Ward 4	6
Ward 5	4
Ward 6	2
Ward 7	0
Ward 8	1
Ward 9	6
Ward 10	4

This necessitated the making of 485 house calls and 185 consultations in the office. The number of visits made to the police station was 176, to the Isolation hospital 145; visits made in behalf of the board of health, 16. There were 6 accident cases for the street and park commission, necessitating 10 vists to the Sacred Heart hospital, 14 calls at the homes, and 20 surgical dressings at the office.

JOHN C. O'CONNOR.

REPORT OF BUILDING INSPECTOR.

REPORT OF THE INSPECTOR OF BUILDINGS.

To the Board of Mayor and Aldermen of the City of Manchester:

GENTLEMEN:—Before entering upon my report to your honorable board of the doings of this department for the year 1910, I desire to express my appreciation for the support which has been accorded me by the members of the city government.

To the mayor and the several committees with whom it has been my privilege to confer I am especially grateful; and in no less measure am I mindful of the assistance accorded me by the heads of the different departments of the city government, and many other public-spirited persons.

On April 5 a communication was sent your honorable board calling your attention to the amount of work devolving upon this office and the need of an assistant in order that the inspector might devote his entire time to the more important work, and that the office might be kept open both morning and afternoon, instead of from 9 A. M. to 12 M.

July 5 an act was finally passed authorizing the inspector of buildings to appoint a clerk. Patrick Joseph Stewart received the appointment, and began his duties July 6.

On the morning of April 28 a fire broke out in the Odd Fellows' block, at 73 to 89 Hanover street, destroying the interior of the building and causing the loss of two lives. May 3 a communication was sent from this office to your honorable board, calling your attention to the inadequacy of the Building Code in the safeguarding of life and property. During your deliberations, a motion was made by Alderman Parnell of Ward 3, and unanimously adopted, that the inspector of buildings be instructed to draw up a new Building Code for the consideration of the board, and to employ such outside assistance as was deemed necessary.

In complying with your instructions, this office compiled a Building Code that was submitted to your honorable board October 4, at which time it was, in accordance with the rules, laid on the table for one month. November 1 it was taken from the table and referred to the committee on bills on second reading, with instructions to report at the next regular meeting. The committee, on November 18, 22, 25, 30, and December 5, held meetings for a thorough study of the proposed Code, at which meetings the inspector of buildings and a majority of the aldermen were present.

On December 6 the committee reported favorably, and, with a few amendments, particularly one increasing the "fire limits," recommended that it pass. On the evening of January 2, 1911, it was finally passed and signed by Mayor Eugene E. Reed.

The regular report of the inspector of buildings for the year 1910 is as follows:

The number of permits issued for new buildings were 287, at an estimated cost of $1,006,014; for remodeling buildings, 254, at an estimated cost of $328,516, making a total of 541 permits, representing a cost of $1,334,530.

Total number of inspections made and recorded by the inspector, 2,051. Increase in the number of family dwellings as recorded, 558. Number of cases in which the inspector refused to grant a permit, 12.

The 541 permits issued during the year may be classified as follows:

Erecting new dwelling-houses, 230 permits, estimated cost	$709,195
Remodeling dwelling-houses, 185 permits, estimated cost	152,236
Total for dwelling-houses, 415 permits, estimated cost	$861,431
Erecting new buildings for business purposes, 51 permits, estimated cost	$153,219
Remodeling buildings for business purposes, 61 permits, estimated cost	133,980
Total for buildings for business purposes, 112 permits, estimated cost	$287,199
Remodeling public buildings, 2 permits, estimated cost	$23,750
Erecting new semi-public buildings, 6 permits, estimated cost	$143,600
Remodeling semi-public buildings, 6 permits, estimated cost	18,550
Total for semi-public buildings, 12 permits, estimated cost	$162,150
Total for all buildings, 541 permits, estimated cost	$1,334,530
Erecting wood frame buildings, 276 permits, estimated cost	$721,860
Remodeling wood frame buildings, 251 permits, estimated cost	246,516
Total for wood frame buildings, 527 permits, estimated cost	$968,376

Erecting brick buildings, 9 permits, estimated cost....	$283,500
Remodeling brick buildings, 3 permits, estimated cost..	82,000
Total for brick buildings, 12 permits, estimated cost	$365,500
Erecting concrete block buildings, 2 permits, estimated cost	654
Total for fire-resisting buildings, 14 permits, estimated cost	$366,154
Fire escape inspections made during the year.....	73
Fire escapes erected during the year.....	9
New buildings under construction December 31, 1910....	113
Buildings undergoing alteration and repair, December 31, 1910	36

Respectfully submitted,

S. A. SPRAGUE,

Inspector of Buildings.

JANUARY 3, 1911.

REPORTS

OF THE

TRUSTEES OF CEMETERIES AND CEMETERY FUNDS.

REPORTS OF THE TRUSTEES OF CEMETERIES AND CEMETERY FUNDS.

Report of Trustees of Pine Grove Cemetery.

To the Trustees of Cemeteries and the Board of Mayor and Aldermen of the City of Manchester:

GENTLEMEN:—I am directed by the subtrustees of the Pine Grove cemetery to submit a report for the year 1910.

The care of the Pine Grove and the Merrill Yards was continued under the efficient management of Superintendent John H. Erskine, who carried on the work along the same general lines as for a number of years, and employed in the work an average number of eighteen workmen. The proper care of the grounds and the maintenance of the standard set by him in the past make necessary each succeeding year more labor and the employment of additional help. Fortunately the receipts increase proportionately, and the actual expense to the taxpayers is now but little, if any, greater than when the Pine Grove cemetery was one half its present size.

The appropriation for the Merrill Yard for 1910 was $100, which was expended in the ordinary work. The cash receipts from the same yard amounted to $56, which were covered into the city treasury.

The appropriation for the year 1910 was $19,500 for the maintenance of Pine Grove cemetery and the purchase of an extension to the grounds. Acting under the authority of that appropriation, the subtrustees purchased from Mrs. John C. Ray and Mrs. Electa M. Priest six and one quarter acres of land lying between the cemetery and Mitchell street and Brown avenue. For this tract, upon which is quite a substantial cottage occupied by tenants, the sum of $4,500 was paid. This purchase completes the extension of the existing cemetery, so that now it is entirely surrounded by highways, Mitchell street on the north, Brown avenue on the west and Calef road on the east, and the latter two highways come together at the southerly end of the grounds.

Everyone interested in the cemetery must appreciate the importance and desirability of this result, which the subtrustees have been anxious to accomplish for several years.

Taking from the $19,500 appropriated the purchase price of the

land, the sum of $15,000 is left, available for the care and maintenance of the grounds, and of this sum $14,979.75 were expended. The receipts to the city treasury to set against this appropriation were $11,476.72.

This sum came from the sale of lots and water, the care of lots, interments, removals, use of the chapel, sale of flowers, and rent, and was paid in cash into the treasury, thus reducing the actual cost of maintaining the existing cemetery to a trifle over $3,500. For the results obtained the subtrustees think that this cost was not exorbitant, although it was a little larger than in some recent years.

And it is to be noted that the iron fence, the woodwork on the chapel, the waiting room, the storehouse, the superintendent's residence, and the greenhouses were all painted, and the expense of doing the work was included in the sum of $3,500. Also the grading of Birch avenue, under semiperpetual care, containing about 17,796 square feet, was completed and a new lawn under perpetual care was begun in the northwest part of the grounds, to be known as Spruce lawn, and 102 lots, containing 23,113 square feet, were graded, loamed and staked out, ready for sale.

About 1,300 square feet around the Gould mausoleum were loamed and seeded; and during the work of regrading certain private lots, for which work the owners paid, some 1,600 square feet of paths and borders were graded and grassed. A section of the Field of Manesque was seeded and is ready to lay out into graves.

There were laid during the year around Birch and Spruce lawns 395 feet of three-inch water pipe, 1,030 feet of two-inch pipe and 255 feet of one-inch pipe, and 25 hydrants were put in place to provide for the watering of these sections. Owing to a change of grade, the two-inch pipe in Riverside avenue, west of Spruce lawn, for a distance of 350 feet, had to be lowered one foot, so as to be safe from frost.

A new drinking fountain was put in near Lakeside and Chapel lawns, and 11 old hydrants, which were sadly out of repair, were dug up and put in working order. The hedge on the east side was extended to the northeasterly corner of the grounds, fifty Norway spruce trees being used. About fifty other trees and shrubs were set out, and preparations made for quite an amount of planting in the spring.

The labor of preparing and laying about 2,800 square yards of macadam in roadways and paths was paid out of the appropriation, but the cost of the crushed stone, $814.31, and the expense of teaming the same, $185.69, were paid by the donation of $1,000 made by the trustees of the cemetery fund, for which the subtrustees hereby return their thanks.

The superintendent procured for the hauling 262 loads of loam from the streets which were cut through the Harrington farm,

and this loam was used in regrading old lots and making an addition to the Grand Army lot.

By an arrangement with a committee from the Swedish Mission church, the section which is set apart for the use of the members of that church was spaded and seeded, and the committee agreed to pay in the future $25 a year for water and care.

In addition to these things especially mentioned, all labor and supplies necessary for the care of the cemetery were covered by the $3,500, while on the lots under perpetual care, beside the usual work of watering and cutting the grass, several lots were regraded, all the monuments, headstones and markers on Riverside and Pine lawns were cleaned, as well as some on Landscape lawn, and nearly all the stones on the ordinary lots which have been placed under perpetual care. This is a necessary and proper work on lots under perpetual care, and the coming season the remaining monuments and stones under such care will receive similar treatment.

The superintendent estimates that the plants started in the greenhouses and used in the grounds during the year were of the value of at least $1,500. This figure demonstrates the usefulness and economy of the greenhouses, which were conducted as a part of the general care of the grounds, and the expense of which is a part of the $3,500, actual cost of the maintenance for the year.

During the year the number of interments was 345, making the total number of interments January 1, 1911, 9,210.

There were 30 removals from one grave to another, 5 from other cemeteries to the Pine Grove and 3 from Pine Grove to other grounds. Of the interments for the year 104 were in the Field of Manesque, or public ground, and 17 were in Woodside lawn, the single grave section under semiperpetual care.

In 1910 foundations were laid for 63 monuments, 66 tablets and one mausoleum. Private lots were regraded to the number of 21, and during the year 487 loads of clay were used, 200 loads of gravel, and 483 loads of loam, in addition to the 292 mentioned above.

During the year 62 lots were sold, also 21 graves on Woodside lawn and 5 graves on Swedish lawn, making the total number of lots sold January 1, 1911, 3,211, and the total number of graves sold on Woodside lawn 98, and on Swedish lawn 184.

There remain unsold, January 1, 1911, on Chapel lawn 30 old lots and 19 which were laid out in 1910, on Riverside lawn 1, on Lakeside lawn 10, and on Spruce lawn 102, all under perpetual care; on Hillside lawn 31, on Birch lawn 51, all under semiperpetual care; on Cedar lawn 1, on Acacia lawn 4, and on Swedish lawn 9. In all there are 258 lots plotted and ready for sale, while 406 graves remain unsold on Swedish lawn and 27 on Woodside lawn.

During the year the owners paid for the care of 454 ordinary lots, the perpetual care fund paid for the care of 829 lots, and semiperpetual care fund paid for the care of 395. Thus we see that over

one half of all the lots in the cemetery which have been sold are cared for at the expense of the owners, or of the funds furnished by the owners.

The other lots, which are mostly the ones earliest sold, must necessarily receive some attention at the public expense in order to preserve any proper uniformity of appearance in the grounds. But this number will continue to grow proportionately smaller each year, as no lots have been sold for several years, and none will be sold in the future, unless under perpetual or semiperpetual care, under which provision is made for all the ordinary care of the lots without charge to the city.

It may be interesting to note that the total amount of the funds for such care on January 1, 1911, amounted to $134,183.96, which will furnish an annual income of about $4,800 available for the proper uses.

But the most important of the happenings of 1910 was the purchase of 88 acres of land lying opposite the existing cemetery on the westerly side of Brown avenue, and extending to the railroad.

The cost was $19,602, and was provided for by an issue of bonds authorized by the common council. On the tract are houses, with seven tenements which have been rented for about $700 annually.

Until the land is needed for burial purposes this rent will reduce the interest charge; and with the land the right of draining the present cemetery and the new tract into Merrimack river was acquired, a matter of great importance and value. This purchase furnishes an addition to Pine Grove cemetery which will satisfy the city's needs for many years.

The land is most desirably situated, and the acquisition of it by the city, and for an extension to the cemetery, has been quietly but persistently urged by some of the subtrustees for several years.

We believe that no act of the last city government will reflect greater credit on their administration than this purchase.

And to Mayor Reed and to the members of the board of mayor and aldermen and common council, who accepted their recommendation and authorized the purchase, the subtrustees wish to publicly express their own sincere thanks and to bespeak for their action the grateful appreciation of every citizen who is at all interested in the public burial places in the city of Manchester.

Respectfully submitted,

EDWIN F. JONES,

Clerk for the Subtrustees.

Report of the Trustees of Valley Cemetery.

To the Trustees of Cemeteries and the Board of Mayor and Aldermen of Manchester, N. H.:

GENTLEMEN:—The subtrustees of the Valley cemetery would report for the year 1910 as follows:

In one respect all annual reports are more or less alike, they should and usually do show progress; but in the case of an old cemetery such as the Valley, where no new work of any great scope is possible because the fundamental work has all been done in the past, the progress must always be along lines more in the nature of repairs and replacements, more in conserving and preserving what has been accomplished than in attempting new work.

Thus it is we find during the year there has been graded about 12,000 feet of lawn near the Valley street side of the cemetery, making the same conform to the same general landscape effect adopted in the other parts of the grounds. An innovation in this newly-graded part has been tried of setting out some sixty evergreen trees, somewhat after the manner of a hedge, which promises well for the future.

In this, with other work as well, 3,519 square feet of turf has been used and 190 loads of loam, and 300 loads of sand have been removed from the cemetery. During the year there have been employed three men all the time, and in the busy season five additional. The largest item of expense in the maintenance of this property is that of labor, that alone being $4,000.

As giving some idea of what is performed each year, we find that there are 226 lots under perpetual care, and 225 lots under annual care, and that the care and maintenance of these lots takes practically all the time of five men. Then there are walks, driveways, shrubbery and flowerbeds requiring the constant care of the superintendent and men, which reflect much credit upon them.

During the last year an additional amount of work has been necessary owing to the prevalence of that pest, the brown-tail moth. Some four hundred trees were found to be infested, and from these it is estimated ten thousand nests were removed. The coming year will doubtless show still larger number of trees and nests. If this pest is to continue, some other method than cutting away the nests ought to be found. The amount of cutting now required to remove the nests is fast approaching the danger line of permanent injury to the tree. I would suggest that it would probably be the part of wisdom for the city to purchase some suitable and satisfactory power spraying apparatus, which could be used at this cemetery and Pine Grove as well.

Seven new monuments, five new headstones, and twelve gravemarkers have been placed in position during the year. There have been twenty-five bodies placed in the tomb, a little over half of the

usual number, due perhaps to the open winter of 1909 and 1910, for the interments during the year, fifty-eight, show an increase of twelve over last year.

Outside of the cemetery, the work has been confined to the completion of the sidewalk and curb on Valley street, and the straightening of the fence alongside the same.

With the exception of a part of Willow street, the sidewalk and fence around the cemetery are now in excellent condition. Attention was called in last year's report to the dilapidated condition of the fence and retaining wall along the southern part of this street. While it is true that the same is not yet opened to the public, for lack of a culvert over the brook, common respect for the dead should prevent the use of such ground for the dumping of garbage and waste.

Immediate steps should be taken to remedy this deplorable situation outside the cemetery. When this is remedied, the trustees can give their attention to the fence and retaining wall, if it should require.

FRANK C. LIVINGSTON,
Clerk.

TREASURER'S REPORT.

To the Trustees of Cemeteries:

I herewith present to you the annual report of money received for the year ending December 31, 1910.

Pine Grove Cemetery.

	Interest.	Price of lot.	Permanent fund.	Total.
John Anderson		$42.40		$42.40
Joseph H. Johnson	$0.83	29.22	$36.52	66.57
Joseph S. Cartwright	1.14	38.40	48.00	87.54
Sarah A. Manning and Arthur F. Curtis	1.50	52.80	66.00	120.30
Estate Elnora White		39.00	48.75	87.75
Alvin M. Cargell	.85	31.98	39.97	72.80
Augusta A. Foster		60.00	75.00	135.00
Bessie A. Edwards		28.25	35.31	63.56
Arthur E. Herlihy	4.15	52.52	65.65	122.32
Albert L. Worthen	3.47	39.00	48.75	91.22
Nellie E. Heath		31.75	39.69	71.44
Ralph A. Wheeler		45.00	56.25	101.25
Harvey E. Joy and estate Ira Meserve	1.40	52.83	66.04	120.27
Donald B. Sanborn		45.00	56.25	101.25
Emma Downing		20.17	25.21	45.38
Alonzo P. Hall		22.00	27.50	49.50
Fred D. Pierce	6.12	30.00	37.50	73.62
Mary C. Emery		22.00	27.50	49.50
Charles E. Simpson		34.00	42.50	76.50
Olive H. Swenson		39.00	48.75	87.75
Mary Gibson		31.04	38.80	69.84
Josephine Cross	1.40	29.65	37.05	68.10
Margaret Oettler		28.05	35.06	63.11
Max Leinsing		28.05	35.06	63.11
Olive M. Boardman		19.88	24.85	44.73
Matthew H. Merritt and Dennis J. Clifford	.85	34.06	42.58	77.49
James Brown		39.00	48.75	87.75
Charles Gaudes		39.00	48.75	87.75

	Interest.	Price of lot.	Permanent fund.	Total.
Lydia J. and Alfred J. Goodwin		$62.00	$77.50	$139.50
Florence Heath		36.81	46.02	82.83
Harry G. Clough		125.00	375.00	500.00
Edwin A. Dunbar	2.18	28.58	78.58	109.34
Harvey Goodwin		32.00	88.00	120.00
Albert J. Knight		64.23	176.65	240.88
Harry F. Blanchard and Mrs. Fanny S. Blanchard		32.00	88.00	120.00
Eldora J. Hill		60.00	165.00	225.00
Moses Wadleigh		36.00	99.00	135.00
Maud Briggs Knowlton	12.25	21.49	59.09	92.83
Harry J. Briggs	4.32	21.49	59.09	84.90
Mary M. Whitten		88.06	264.18	352.24
Margaret L. Groves	3.97	66.60	183.17	253.74
Anna R. Pond		27.22	74.87	102.09
Leander L. Hall	2.43	28.58	78.58	109.59
Ella M. Wells	1.50	86.10	258.30	345.90
Addie Hull Tarbell		41.60	114.40	156.00
Adolph Jacob		54.00	148.50	202.50
Brainard S. Caswell		51.26	140.95	192.21
Fay Carlton		38.55	106.01	144.56
Fannie A. Ford		40.05	110.14	150.19
Albert C. and Margaret H. Benton, Wm. R., Jas. H., and Geo. F. Millar		69.79	191.93	261.72
Elizabeth M. Corning	1.94	37.50	102.30	141.74
Samuel Newton		54.00	148.50	202.50
Augustus Stoehr and Chas. Eisenzimer		54.90	150.97	205.87
Henry Craigh Richardson		47.55	130.77	178.32
Charles H. Clark		72.00	198.00	270.00
Nathaniel L. Colby	4.95	35.80	98.45	139.20
Harry G. Clough		496.59	1,489.79	1,986.38
Wm. M. Furber		57.60	158.40	216.00
Wm. L. Remington		47.14	129.62	176.76
C. A. Brooks and Ella A. Brooks	2.50	43.56	130.67	176.73
Annie A. Hayes	2.50	43.56	130.67	176.73
John A. Hoffman		36.40	100.10	136.50
William D. Young	8.19	71.03	213.10	292.32
Mrs. Nora Clough	3.52	112.50	337.50	453.52
Sarah A. and Wellington Thompson		74.30	204.32	278.62
Chas. W. Smith		10.00	8.00	18.00
Frederick D. Wright		10.00	8.00	18.00
Estate Matthia H. Allen		10.00	8.00	18.00

	Interest.	Price of lot.	Permanent fund.	Total.
Edgar P. Luce		$10.00	$8.00	$18.00
Amos G. Waite		10.00	8.00	18.00
Wm. E. Beaton		10.00	8.00	18.00
George E. Jerome		10.00	8.00	18.00
Lillian A. Edgar		10.00	8.00	18.00
E. Kathryn Sullivan		10.00	8.00	18.00
Ernest Schmidtchen		20.00	16.00	36.00
Fred D. Wright		20.00	16.00	36.00
Edward P. Parker		20.00	16.00	36.00
Henry T. Delano		10.00	8.00	18.00
Abram Ried		10.00	8.00	18.00
Donald Leitch		10.00	8.00	18.00
Mary F. Jones		20.00	16.00	36.00
Interest	$71.96			
Sale of lots		$3,599.89		
Permanent fund			$8,068.16	
Total receipts, sale of lots				$11,740.01
J. H. Erskine, superintendent, care of lots				7,804.87
Total				$19,544.88

Cr.

By amount paid to cemetery fund:		
Perpetual care of lots	$6,582.60	
Single graves, Woodside lawn	160.00	
Partial perpetual care lots, Hillside lawn	1,325.56	
		$8,068.16
Treasurer's receipts for amount paid to city		3,671.85
Superintendent's receipts for amount paid to city		7,804.87
		$19,544.88

Merrill Yard Cemetery.

J. H. Erskine, superintendent, for care lots	$57.00

Cr.

J. H. Erskine, superintendent, amount paid to city	$57.00

Valley Cemetery.

John W. Ray, path	$13.50	
R. G. Houghton, path	15.00	
Eugene C. Smith, superintendent	1,875.25	
		$1,903.75

Cr.

By treasurer's receipts for amount paid to city	$28.50	
By superintendent's receipts for amount paid to city	1,875.25	
		$1,903.75

Respectfully submitted,
FRED L. ALLEN,
Treasurer Trustees of Cemeteries.

I hereby certify that I have examined the accounts of Fred L. Allen, treasurer of the trustees of cemeteries, and find the same are correctly cast and vouched for.

JAMES E. DODGE,
City Auditor.

To the Trustees of the Cemetery Fund:

Gentlemen:—I herewith submit to you the twenty-eight annual report of the funds received and expenses paid to January 1, 1911.

Pine Grove Cemetery.

Amount of permanent fund January 1, 1910 ..... $124,434.45

Receipts During the Year.

C. J. Hadley, Exr. of the Justin Spear estate,	$120.00	
Mae L. Gray, Exr	100.00	
Mrs. Ida Clanson	100.00	
Mrs. C. C. Clark	115.20	
Mrs. J. G. Warner	144.00	
P. O. Chapman	144.00	
Otis E. Prescott	100.00	
Frank W. Favor	194.15	
Genla A. Craig	100.00	
Alonzo P. Hall	100.00	
Mrs. Cynthia C. Richards	120.00	
F. E. McLaren	144.00	
James Brown	100.00	
Isa E. Emerson	100.00	
To receipts transferred from Pine Grove cemetery, perpetual care of lots	6,582.60	
partial perpetual care of lots, Hillside lawn	1,325.56	

To partial perpetual care of lots, Woodside lawn	$160.00	
Receipts for the year		$9,749.51
Total of fund		$134,183.96

Cr.

By bonds on hand	$113,050.00	
By cash on hand	21,133.96	
		$134,183.96

Income Account.

Income on hand January 1, 1910		$4,460.45
Interest savings banks	$1,174.89	
Interest savings bank, Hillside lawn	401.32	
Interest savings bank, Woodside lawn	26.27	
Interest coupons Manchester bonds	3,742.50	
		5,344.98
		$9,805.43

EXPENSES PAID DURING THE YEAR.

Adams & Co., premium paid on Manchester bonds bought	$175.00
Accrued interest paid on Manchester bonds bought	34.44
Harry F. Blanchard	16.25
W. E. Dunbar & Son	30.00
Wm. B. Corey	16.75
Union Coal Co	48.00
Manchester Hardware Co	131.00
John B. Varick Co	50.00
Charles R. Martin	4.50
J. D. French	159.81
J. H. Erskine, superintendent, regrading, perpetual care of lots	45.86
Guy H. Erskine	33.20
Bridget Clune	4.00
J. H. Erskine, superintendent, care of perpetual care lots	2,796.00
J. H. Erskine, superintendent, care of perpetual care lots, Hillside lawn	401.32
J. H. Erskine, superintendent, care of perpetual care lots, Woodside lawn	26.27
W. T. Stevens	2.50

Joseph Trahan	$2.47	
L. P. Tremblay	16.25	
J. O. & L. P. Tremblay	15.00	
C. D. Boynton	8.08	
Palmer & Garmon	15.50	
Special appropriation of $1,000 voted by the trustees of the cemetery fund for improvements.		
J. D. French, drawing crushed stone	118.19	
Chas. A. Bailey, 651.45 tons broken stone @ $1.25	814.31	
Manchester Coal & Ice Co., 15 days, team work	67.50	
Total expenses		$5,032.20
Cash income on hand		4,773.23
		$9,805.43

Valley Cemetery.

Amount of permanent fund January 1, 1910		$37,200.97

RECEIPTS DURING THE YEAR.

Estate of Mrs. J. C. Ricker	$200.00	
C. M. Edgerly	106.40	
Hattie Wallace	108.00	
John W. Ray	21.60	
Ellen E. Hargate and Elizabeth W. Miner	108.00	
Mary F. Phelps, Admr	108.00	
O. S. Roby	120.00	
Harry D. Gould	120.00	
S. C. Forsaith	108.00	
Mrs. James Holmes	115.20	
Lydia J. Chase	160.00	
Grace I. Holt	120.00	
Mary P. McCrillis	231.20	
Heirs Lucretia L. Eaton	100.00	
Stanley N. Chase, Admr	100.00	
Receipts for the year		1,826.40
Total of fund		$39,027.37

CR.

By bonds on hand	$31,500.00	
By cash on hand	7,527.37	
		$39,027.37

INCOME ACCOUNT.

Income on hand January 1, 1910		$4,810.03
Interest savings banks	$435.87	
Interest coupons Manchester bonds	1,350.00	
Income for the year		1,785.87
Total		$6,595.90

EXPENSES PAID DURING THE YEAR.

W. E. Dunbar & Son	$30.00	
John B. Varick Co	60.06	
Pine Grove cemetery	33.00	
E. C. Smith, superintendent	30.00	
E. C. Smith, superintendent, care of lots	929.50	
Total expense		$1,082.56
Cash income on hand		5,513.34
		$6,595.90

HANNAH A. CURRIER FUND.

For the care of a gateway at Valley cemetery.

Amount of fund	$500.00

CR.

By cash on hand	$500.00

Merrill Yard Cemetery.

Amount of permanent fund January 1, 1910	$1,287.89

CR.

By bonds on hand	$450.00	
By cash on hand	837.89	
		$1,287.89

INCOME ACCOUNT.

Income on hand January 1, 1910		$355.70
Interest savings bank	$47.80	

Interest coupons Manchester bonds.....	$22.50	
Income for the year		$70.30
		$426.00

EXPENSES PAID DURING THE YEAR.

J. H. Erskine, superintendent, care of lots..	$37.00	
Cash income on hand.....	389.00	
		$426.00

GALE FUND INCOME ACCOUNT.

Income on hand January 1, 1910.....	$210.99	
Interest savings bank.....	8.38	
Interest from fund.....	12.08	
		$231.45

EXPENSES PAID DURING THE YEAR.

E. C. Smith, superintendent, care of Gale tomb	$8.00	
Painting fence	21.50	
Cash on hand	201.95	
		$231.45

SPECIAL FUND.

For the care of Oliver Gould lot in Pine Grove cemetery.

Amount of fund January 1, 1910.....	$500.00

CR.

By cash on hand December 31, 1910	$500.00

INCOME ACCOUNT.

Interest savings bank	$15.62

EXPENSES PAID DURING THE YEAR.

J. H. Erskine, superintendent, care of lot....	$12.00	
Cash income on hand	3.62	
		$15.62

Respectfully submitted,
FRED L. ALLEN,
Treasurer Trustees Cemetery Fund.

This is to certify that I have examined the books of account of Fred L. Allen, treasurer of the cemetery funds, embracing the receipts and expenditures for the year 1910, and I find the same correct and properly vouched. I have also examined the securities in which said fund is invested and find as follows:

PINE GROVE CEMETERY.

20 city of Manchester 5 percent cemetery bonds, Nos. 1, 2, 3, 5, 6, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 22, 23, 24, 26, 28, due 1942, denomination $1,000 each	$20,000.00	
2 city of Manchester 5 percent cemetery bonds, Nos. 1, 2, denomination $500 each	1,000.00	
1 city of Manchester 5 percent cemetery bond, No. 3, due 1942	50.00	
14 city of Manchester 5 percent cemetery bonds, Nos. 2, 3, 4, 5, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, due 1913, denomination $1,000 each	14,000.00	
1 city of Manchester 5 percent cemetery bond, No. 2, due 1913	500.00	
5 city of Manchester 5 percent cemetery bonds, Nos. 1, 2, 3, 9, 10, due 1913, denomination $100 each	500.00	
16 city of Manchester 3½ percent city bonds, Nos. 21, 22, 23, 71, 72, 73, 74, 75, 91, 92, 94, 95, 96, 97, 98, 99, due April 1, 1919, denomination $1000 each	16,000.00	
1 city of Manchester 4 percent school bond, due July 1, 1913	1,000.00	
2 city of Manchester 4 percent improvement bonds, Nos. 1, 2, due April 1, 1916	2,000.00	
14 city of Manchester 4 percent water bonds, Nos. 21, 22, 23, 24, 25, 26, 27, 28, 50, 51, 56, 57, 58, 59, due January 1, 1917	14,000.00	
4 city of Manchester 3½ percent municipal bonds, Nos. 41, 42, 43, 44, due July 1, 1922	4,000.00	
19 city of Manchester 4 percent water bonds, Nos. 24 to 40 inclusive, 4, 7, due July 1, 1915	19,000.00	
21 city of Manchester cemetery bonds 3½ percent, Nos. 1 to 21 inclusive, due October 1, 1930	21,000.00	
		$113,050.00
Cash in deposit in Manchester Savings Bank, Book No. 50428	$7,151.51	

Cash on deposit in Mechanics Savings Bank, Book No. 3413	$6,680.98	
Cash on deposit in Mechanics Savings Bank, Book No. 4407	11,290.70	
Cash on deposit in Mechanics Savings Bank, Book No. 4522	784.00	
		$25,907.19
Total amount of permanent fund and income December 31, 1910		$138,957.19

VALLEY CEMETERY.

4 city of Manchester 5 percent cemetery bonds, Nos. 1, 6, 11, 18, due 1913, denomination $1,000 each	$4,000.00	
1 city of Manchester 5 percent cemetery bond, No. 1, due 1913, denomination $500	500.00	
3 city of Manchester 5 percent cemetery bonds, Nos. 6, 7, 8, due 1913, denomination $100 each	300.00	
8 city of Manchester 5 percent cemetery bonds, Nos. 4, 7, 12, 19, 20, 21, 25, 27, due 1942, denomination $1,000 each	8,000.00	
2 city of Manchester 5 percent cemetery bonds, Nos. 2 and 4, due 1942, denomination $50 each	100.00	
3 city of Manchester 4 percent improvement bonds, Nos. 3, 4, 5, due April 1, 1916	3,000.00	
3 city of Manchester 3½ percent city bonds, Nos. 81, 92, 100, due April 1, 1919, denomination $1,000 each	3,000.00	
6 city of Manchester 3½ percent municipal bonds, Nos. 35, 36, 37, 38, 39, 40, due 1922	6,000.00	
6 city of Manchester 3½ percent cemetery bonds, Nos. 3, 4, 5, 6, 7, 8, due 1942, denomination $100 each	600.00	
6 city of Manchester 4 percent water bonds, Nos. 8, 9, 10, 11, 12, 13, due July 1, 1915	6,000.00	
		$31,500.00
Cash on deposit in Guaranty Savings Bank, Book No. 4527	$259.35	
Cash on deposit in Mechanics Savings Bank, Book No. 5569	10,704.52	
Cash on deposit in Amoskeag Savings Bank, Book No. 68808	2,076.84	
		$13,040.71

Total amount of permanent fund and income December 31, 1910		$44,540.71

MERRILL YARD CEMETERY.

2 city of Manchester 5 percent cemetery bonds, Nos. 4 and 5, due 1913, denomination $100 each	$200.00	
2 city of Manchester 5 percent cemetery bonds, Nos. 1 and 2, due 1942, denomination $100 each	200.00	
1 city of Manchester 5 percent cemetery bond, No. 1, due 1942, denomination $50	50.00	
Cash on deposit in Guaranty Savings Bank, Book No. 5116	8.00	
Cash on deposit in Amoskeag Savings Bank, Book No. 69517	1,218.89	
		$1,676.89
Total amount of permanent fund and income December 31, 1910		$1,676.89

GALE FUND INCOME ACCOUNT.

Cash on hand in Amoskeag Savings Bank, Book No. 34108	$201.95
Special fund for the care of the Oliver Gould lot in Pine Grove cemetery:	
Cash on hand in Manchester Savings Bank, Book No. 94650	$503.62
Hannah A. Currier Fund, Valley cemetery:	
Cash on hand in Merrimack River Savings Bank, Book No. 42740	$500.00
Total amount of fund and income December 31, 1910,	$186,380.36

JAMES E. DODGE,
City Auditor.

REPORT

OF THE

TRUSTEES OF THE SINKING FUND.

REPORT OF THE TRUSTEES OF THE SINKING FUND.

To the Board of Mayor and Aldermen of the City of Manchester:

GENTLEMEN:—As required by chapter 37, section 4, of the city ordinances of Manchester, the trustees of the sinking fund of the city of Manchester herewith report the condition of the several funds January 1, 1911, with receipts and payments for the year ending December 31, 1910.

WILLIAM McELROY,
CHAS. H. MANNING,
FRED L. ALLEN,
Trustees of Sinking Fund.

IMPROVEMENT LOAN.

Total amount of fund January 1, 1910, for the payment of improvement bonds		$347,841.70
Appropriation for 1910	$5,000.00	
Interest on Manchester bonds	9,868.00	
Interest on Fall River bonds	875.00	
Interest on Nashua bonds	400.00	
Interest on Boston bonds	2,475.00	
Interest on bank deposits	301.81	
		18,919.81
		$366,761.51

CR.

N. W. Harris & Co.:		
Premium paid for Manchester bonds	$483.75	
Accrued interest, Manchester bonds	574.66	
R. L. Day & Co.:		
Premium paid for Manchester bonds	9.60	
Accrued interest, Manchester bonds	5.11	
Shontell & Varick:		
Accrued interest, Manchester bonds	45.67	
South Weymouth Savings Bank:		
Accrued interest, Manchester bonds	127.55	
		$1,246.34
Bonds on hand December 31, 1910	$352,200.00	

Cash on hand December 31, 1910.....	$13,315.17	
		$365,515.17
		$366,761.51

WATER LOAN.

Total amount of fund January 1, 1910, for the payment of water bonds		$235,309.91
Appropriation for 1910.....	$5,000.00	
Appropriation for hydrant service, 1910....	22,025.00	
Interest on Manchester bonds.....	6,465.00	
Interest on Boston bonds.....	200.00	
Interest on Waterbury bonds.....	1,200.00	
Interest on bank deposits.....	495.63	
		35,385.63
		$270,695.54

CR.

Shontell & Varick:		
Accrued interest paid for Manchester bonds	$88.34	
City of Manchester:		
For payment of water bonds maturing July 1, 1910.....	100,000.00	
		$100,088.34
Bonds on hand December 31, 1910.....	$144,000.00	
Cash on hand December 31, 1910.....	26,607.20	
		170,607.20
		$270,695.54

SCHOOL LOAN.

Total amount of fund January 1, 1910, for the payment of school bonds.....		$31,417.91
Appropriation for 1910.....	$2,000.00	
Interest on Manchester bonds.....	1,050.00	
Interest on bank deposit.....	137.65	
		3,187.65
		$34,605.56

CR.

Adams & Co.:		
Premium paid for Manchester bonds.....	$56.25	
Accrued interest for Manchester bonds...	48.00	
Bridget Buckley:		
Accrued interest for Manchester bonds...	26.66	
		$130.91
Bonds on hand December 31, 1910.....	$31,000.00	

Cash on hand December 31, 1910.....	$3,474.65	
		$34,474.65
		$34,605.56

CITY FUNDING LOAN.

Total amount of fund on hand January 1, 1910, for the payment of city bonds maturing April 1, 1919.....		$56,536.92
Appropriation for 1910.....	$5,000.00	
Interest on Manchester bonds.....	1,874.00	
Interest on Boston bonds.....	200.00	
Interest on bank deposit.....	116.00	
		7,190.00
		$63,726.92

CR.

Blodgett & Co.:		
Premium paid for Manchester bonds....	$75.00	
Accrued interest for Manchester bonds..	203.33	
N. W. Harris & Co.:		
Premium paid for Manchester bonds.....	30.00	
Accrued interest for Manchester bonds..	80.00	
Adams & Co.:		
Premium paid for Manchester bonds.....	6.25	
Accrued interest paid for Manchester bonds	5.33	
		$399.91
Bonds on hand December 31, 1910.....	$63,100.00	
Cash on hand December 31, 1910.....	227.01	
		63,327.01
		$63,726.92

MUNICIPAL LOAN.

Total amount of fund January 1, 1910, for the payment of bonds maturing July 1, 1922.....		$30,193.69
Appropriation for 1910.....	$4,000.00	
Interest on Manchester bonds.....	1,265.00	
Interest on bank deposit.....	72.07	
		5,337.07
		$35,530.76

CR.

Adams & Co.:		
Premium paid for Manchester bonds.....	$65.00	
Accrued interest for Manchester bonds...	2.67	
Blodget & Co.:		
Premium paid for Manchester bonds.....	50.00	

Accrued interest for Manchester bonds...	$135.56	
		$253.23
Bonds on hand December 31, 1910.....	$25,000.00	
Cash on hand December 31, 1910.....	10,277.53	
		35,277.53
		$35,530.76

CITY REFUNDING LOAN.

Total amount of fund January 1, 1910, for the payment of bonds maturing April 1, 1925.....		$10,538.12
Appropriation for 1910.....	$2,500.00	
Interest on bank deposit.....	396.52	
		2,896.52
		$13,434.64

CR.

Cash on hand December 31, 1910.....	$13,434.64

REFUNDING CITY LOAN.

Total amount of fund January 1, 1910, for the payment of bonds maturing April 1, 1927.....		$5,046.87
Appropriation for 1910.....	$2,500.00	
Interest on bank deposits.....	142.35	
		2,642.35
		$7,689.22

CR.

Cash on hand December 31, 1910.....	$7,689.22

IMPROVEMENT LOAN SERIES E.

For the payment of improvement bonds maturing April 1, 1930.

To appropriation for 1910.....	$5,000.00

CR.

Cash on hand December 31, 1910.....	$5,000.00

Respectfully submitted,
FRED L. ALLEN,
Treasurer of Sinking Fund.

This is to certify that I have examined the accounts of Fred L. Allen, treasurer of the trustees of the sinking fund, embracing the receipts and expenditures for the year ending December 31, 1910, and find the same correct and properly vouched. I have also examined the securities in which the fund is invested and find as follows:

IMPROVEMENT LOAN.

No of Bonds Held.	Descriptive No. of Bonds.	Value of bond.	Kind.	Rate of interest.	Due.	Amount.	
1	No. 4	$1,000.00	Bridge	4%	July 1, 1911	$1,000.00	
8	Nos. 8, 9, 10, 11, 28, 29, 30, 31	500.00	Bridge	4%	July 1, 1911	4,000.00	
2	Nos. 14, 15	100.00	Bridge	4%	July 1, 1911	200.00	
33	Nos. 8, 9, 10, 11, 12, 40, 44, 62, 69, 70, 75, 76, 77, 78, 82, 83, 80, 81, 88 to 94 inc., 60, 61, 79, 96 to 100 inc.	1,000.00	Improvement Series A	4%	Jan. 1, 1913	33,000.00	
7	Nos. 5, 6, 7, 8, 9, 22, 29	1,000.00	Water Series C	4%	Oct. 1, 1914	7,000.00	
4	Nos. 193, 198, 199, 200	1,000.00	School	4%	July 1, 1915	4,000.00	
25	Nos. 1, 2, 3, 6, 14 to 23 inc., 41 to 47 inc., 57, 58, 70, 56	1,000.00	Water	4%	July 1, 1915	25,000.00	
38	Nos. 1, 8, 21, 30, 31, 32, 33, 34, 36, 44, 29, 35, 45, 46, 48, 49, 50, 51, 52, 62, 75; 38 to 43 inc.; 58 to 61 inc.; 63 to 69 inc.	1,000.00	Improvement Series C	4%	Apr. 1, 1915	38,000.00	
40	Nos. 54 to 93 inc.	1,000.00	Improvement Series D		Apr. 1, 1916	40,000.00	
20	Nos. 17 to 20 inc., 60 to 65 inc., 71 to 74 inc., 77, 78, 3, 4, 35, 36	1,000.00	Water	4%	Jan. 1, 1917	20,000.00	
44	Nos. 6 to 20 inc., 29 to 57 inc.	1,000.00	City Funding	3½%	Apr. 1, 1919	44,000.00	
36	Nos. 6 to 33 inc., 64 to 71 inc.	1,000.00	Municipal	3½%	July 1, 1922	36,000.00	
5	Registered	5,000.00	City of Boston	3½%	June 1, 1944	25,000.00	
1	Registered	20,000.00	Boston	4%	Apr. 1, 1913	20,000.00	
1	Registered	1,000.00	Boston	4%	July 1, 1913	1,000.00	
1	Registered	1,000.00	Boston	4%	Apr. 1, 1913	1,000.00	
1	Registered	16,000.00	Boston	4%	Oct. 1, 1916	16,000.00	
1	Registered	2,000.00	Boston	4%	Apr. 1, 1914	2,000.00	
1	Registered No. 827	25,000.00	Fall River	3½%	Aug. 1, 1911	25,000.00	
10	Nos. 48, 49, 50, 76, 77, 78, 79, 80, 101, 102	1,000.00	Nashua	4%	June 1, 1913	10,000.00	
	Bonds on hand					$352,200.00	
	Cash on hand					13,315.17	
							$365,515.17

WATER LOAN.

No. of Bonds Held.	Descriptive No. of Bonds.	Value of bond.	Kind.	Rate of interest.	Due.	Amount.	
1	Registered	$3,000.00	Boston	4%	Apr. 1, 1911	$3,000.00	
1	No. 95	1,000.00	Improvement Series A	4%	Jan. 1, 1913	1,000.00	
18	Nos. 10 to 21 inc., 45 to 50 inc.	1,000.00	Water Series C	4%	Oct. 1, 1914	18,000.00	
17	Nos. 9 to 20 inc., 53 to 57 inc.	1,000.00	Improvement Series C	4%	Apr. 1, 1915	17,000.00	
2	Nos. 191, 192	1,000.00	School	4%	July 1, 1915	2,000.00	
11	Nos. 30 to 40 inc.	1,000.00	School	4%	July 1, 1916	11,000.00	
27	Nos. 38 to 42 inc., 79 to 100 inc.	1,000.00	Water	4%	Jan. 1, 1917	27,000.00	
1	No. 70	1,000.00	City Funding	3½%	Apr. 1, 1919	1,000.00	
17	Nos. 34, 45 to 60 inc.	1,000.00	Municipal	3½%	July 1, 1922	17,000.00	
22	Nos. 29 to 50 inc.	1,000.00	Refunding	3½%	Apr. 1, 1925	22,000.00	
25	Nos. 3 to 27 inc.	1,000.00	Water	4½%	Nov. 1, 1913	25,000.00	
	Bonds on hand					$144,000.00	
	Cash on hand					26,607.20	
							$170,607.20

CITY FUNDING LOAN.

No. of Bonds Held.	Descriptive No. of Bonds.	Value of bond.	Kind.	Rate of interest.	Due.	Amount.	
1	No. 7	$100.00	Bridge	4%	July 1, 1911	$100.00	
1	No. 155	1,000.00	City	4%	Apr. 1, 1911	1,000.00	
13	No. 1, 58 to 69 inc.	1,000.00	City Funding	3½%	Apr. 1, 1919	13,000.00	
1	No. 2	1,000.00	Water Series B	4½%	Nov. 1, 1913	1,000.00	
1	No. 177	1,000.00	School	4%	July 1, 1913	1,000.00	
1	No. 170	1,000.00	School	4%	July 1, 1912	1,000.00	
14	Nos. 1, 2, 3, 4, 5, 72 to 80 inc.	1,000.00	Municipal	3½%	July 1, 1922	14,000.00	
23	Nos. 7, 22 to 28 inc., 76 to 90 inc.	1,000.00	Improvement Series C	4%	Apr. 1, 1915	23,000.00	
1	No. 50	1,000.00	Improvement	4%	Apr. 1, 1916	1,000.00	
1	Registered	2,000.00	Boston	4%	Apr. 1, 1912	2,000.00	
1	Registered	5,000.00	Boston	4%	July 1, 1912	5,000.00	
1	No. 23	1,000.00	Water	4%	Oct. 1, 1914	1,000.00	
	Bonds on hand					$63,100.00	
	Cash on hand					227.01	
							$63,327.01

SCHOOL LOAN.

No. of Bonds Held.	Descriptive No. of Bonds.	Value of bond.	Kind.	Rate of interest.	Due.	Amount.	
9	Nos. 161 to 169 inc.	$1,000.00	School	4%	July 1, 1912	$9,000.00	
4	Nos. 151, 152, 153, 154	1,000.00	City	4%	Apr. 1, 1911	4,000.00	
1	No. 180	1,000.00	School	4%	July 1, 1913	1,000.00	
1	No. 41	1,000.00	Improvement Series A	4%	July 1, 1913	1,000.00	
5	Nos. 181, 184, 185, 189, 190	1,000.00	School	4%	July 1, 1914	5,000.00	
1	No. 3	1,000.00	Water Series C	4%	Oct. 1, 1914	1,000.00	
7	Nos. 48, 49, 50, 51, 52, 59, 60	1,000.00	Water	4%	July 1, 1915	7,000.00	
1	No. 18	1,000.00	Improvement Series D	4%	Apr. 1, 1916	1,000.00	
2	Nos. 2 and 3	1,000.00	City Funding	3½%	Apr. 1, 1919	2,000.00	
	Bonds on hand					$31,000.00	
	Cash on hand					3,474.65	
							$34,474.65

MUNICIPAL LOAN.

For the payment of municipal bonds maturing July 1, 1922.

No. of Bonds Held.	Descriptive No. of Bonds.	Value of bond.	Kind.	Rate of interest.	Due.	Amount.	
4	Nos. 52, 53, 54, 55	$1,000.00	Water	4%	Jan. 1, 1917	$4,000.00	
8	Nos. 25, 27, 2 to 7 inc.	500.00	Bridge	4%	July 1, 1911	4,000.00	
4	Nos. 2, 13, 28, 29	1,000.00	Bridge	4%	July 1, 1911	4,000.00	
3	Nos. 26, 27, 28	1,000.00	Refunding	3½%	Apr. 1, 1925	3,000.00	
10	Nos. 91 to 100 inc.	1,000.00	Improvement Series C	4%	Apr. 1, 1915	10,000.00	
	Bonds on hand					$25,000.00	
	Cash on hand					10,277.53	
							$35,277.53

CITY REFUNDING LOAN.

For the payment of bonds maturing April 1, 1925.

Cash on hand	$13,434.64

REFUNDING CITY LOAN.

For the payment of bonds maturing April 1, 1927.

Cash on hand	$7,689.22

IMPROVEMENT LOAN (Series E).

For bonds issued April 1, 1910, payable April 1, 1930.

Cash on hand	$5,000.00
Total amount of sinking fund	$695,325.42

JAMES E. DODGE,
City Auditor.

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